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91-34

GLOBAL CHANGE DATA SETS:

Excerpts from the Master Directory

February, 1992

Version 2.0

(NASA-TM-107994) GLOBAL CHANGE
DATA SETS: EXCERPTS FROM THE MASTER
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INTRODUCTION

The recent awakening to the reality of human-induced changes to the environment has resulted in an organized effort to promote global change research. The goal of this research as outlined by NASA's Earth System Science Committee (Earth System Science: A Closer View, 1988) is to understand the entire Earth system on a global scale by describing how its component parts and their interactions have evolved, how they function, and how they may be expected to evolve on all timescales. The practical result is the capacity to predict that evolution over the next decade to century. Key variables important for the study of global change include external forcing factors (solar radiance, UV flux), radiatively and chemically important trace species (CO₂, CH₄, N₂O, etc.), atmospheric response variables (temperature, pressure, winds), land-surface properties (river run-off, snow cover, albedo, soil moisture, vegetation cover), and oceanic variables (sea surface temperature, sea ice extent, sea level ocean wind stress, currents, chlorophyll, biogeochemical fluxes).

The purpose of this document is to identify existing data sets available (both remotely sensed and in situ data) covering some of these variables. This is not intended to be a complete list of global change data, but merely a highlight of what is available. The information was extracted from the Master Directory (MD), an on-line scientific data information service which may be used by any researcher. This report contains the coverage dates for the data sets, sources (satellites, instruments) of the data and where they are archived.

Much more complete descriptions of these and many more data sets can be found in the MD. The MD, operated by the National Space Science Data Center at Goddard Space Flight Center in Greenbelt, Maryland, has been adopted by the Interagency Working Group on Data Management for Global Change as a centralized directory to facilitate global change research. Interagency Working Group members include NASA, NOAA, USGS, NSF and other U.S. agencies. The MD provides high level information about multidisciplinary data sets, including Earth science (geology, oceanography, atmospheric science), space physics, solar physics, planetary science, and astronomy/astrophysics. A search using selected keywords provides users with a description of relevant data sets, their attributes, spatial and temporal coverage, data center, personnel contacts, and bibliography. More detailed information, browse or ordering capability is available through automated connections to other systems using a simple LINK command. The MD also provides supplementary information data centers, projects and campaigns, and the MD, with new data sets being added to the system regularly. Users may access this system via NSI DECnet, Internet, or by direct dialing. The MD is Option #1 on the menu of the National Space Science Data Center's On-Line Data Information Services (NODIS) account.

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SECTION 1
ATMOSPHERIC COMPOSITION

ATMOSPHERIC COMPOSITION>CARBON DIOXIDE

24 Second Averaged (UADS-LFD File) Pioneer Venus Data Pool Tape

Coverage Dates: 1978-12-05 to 1981-11-26

Source/Spacecraft

PVO (PIONEER VENUS)

Sensor/Instrument

ELECTRIC FIELD DETECTOR

ELECTRON TEMPERATURE PROBE

ION MASS SPECTROMETER

NEUTRAL PARTICLE MASS SPECTR.

RADAR ALTIMETER

RETARDING POTENTIAL ANALYZER

SOLAR WIND PLASMA ANALYZER

TRIAxIAL FLUXGATE MAGNETOMETER

UV SPECTROMETER

Data Centers

National Space Science Data Center (NSSDC), NASA

Atmospheric Absorption/Emission AFGL Programs

Data Centers

National Climatic Data Center (NCDC), NOAA

Atmospheric Carbon Dioxide Concentrations - The NOAA/GMCC Flask and Continuous Sampling Network, CDIAC NDP-005

Coverage Dates: 1968-01-01 to 1982-01-01

Source/Spacecraft

GMCC

Sensor/Instrument

NDIR

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE

Atmospheric CO₂ Concentrations - The CSIRO Monitoring Program: Surface Data for Cape Grim, Tasmania, CDIAC NDP-010

Coverage Dates: 1976-01-01 to 1983-01-01

Source/Spacecraft

BAPMON

Sensor/Instrument

NDIR

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE

Atmospheric CO₂ Concentrations - The CSIRO (Australia) Monitoring Program from, Aircraft for 1972- 1981, CDIAC NDP-007

Coverage Dates: 1972-1981

Source/Spacecraft

AIRCRAFT

Sensor/Instrument

NDIR

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE

Atmospheric Trace and Minor Gas Mixing Ratio Profiles, Infrared Spectra Data, and Atlases of the IR Spectrum of Earth's Atmosphere and Sun

Coverage Dates: 1985-04-01 to 1985-05-31

Source/Spacecraft

STS 51-B

Sensor/Instrument

ATMOS

Data Centers

National Space Science Data Center (NSSDC), NASA

Carbon Dioxide Concentrations at Baring Head, New Zealand

Coverage Dates: 1973-01-01 to Present

Sensor/Instrument

CONTINUOUS ANALYZER (CONTINUOUS ANALYZER (CO₂))

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE

Carbon Dioxide Concentrations at Mauna Loa Observatory

Coverage Dates: 1958-03-01 to Present

Source/Spacecraft

MAUNA LOA OBSERVATORY (GROUND STATIONS)

Sensor/Instrument

CONTINUOUS ANALYZER (CONTINUOUS ANALYZER (CO₂))

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE

Estimates of CO₂ Emissions from Fossil Fuel Burning and Cement Manufacturing, Based on UN Energy Statistics and US Bureau of Mines Data, CDIAC NDP-030

Coverage Dates: 1950-01-01 to 1986-01-01

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC)

Experiment on Rapidly Intensifying Cyclones Over the Atlantic (ERICA) Field Study, on CD-ROM

Coverage Dates: 1988-12-01 to 1989-02-26

Source/Spacecraft

AIRCRAFT

GOES-6

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

GALE, ERICA Data Center, Drexel University (GDCEDC)

NASA Climate Data System (NCDS)

GISS Global Vegetation Data Set

Coverage Dates: 1960-01-01 to 1979-12-01

Data Centers

Goddard Institute for Space Studies (GISS)

National Center for Atmospheric Research (NCAR)

Global Atmospheric Background Monitoring (BAPMON)/Turbidity Data

Coverage Dates: 1971-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Miscellaneous NSSDC Atmospheric Data from Earlier Spacecraft

Coverage Dates: 1963-04-04 to 1984-09-30

Source/Spacecraft

AD-A (EXPLORER 19)

AD-B (EXPLORER 24)

AD-C (EXPLORER 39)

AE-D

AEROS

AEROS 2

DASH-2

EXPLORER 9

MIDAS 2

OGO-2

OGO-4

OGO-6

OV1-15

Sensor/Instrument

ACCELEROMETERS (TRIAxIAL ACCELEROMETER)

APPARATUS (SATEL. DRAG TRACKING APPARATUS)

EB SPECTROMETER (EBERT-EASTIE SPECTROMETER)

EUV SPECTROMETER (EXTREME UV SPECTROMETER)

EPI (FABRY-PEROT INTERFEROMETER)

MESA (MINIATURE ELECTROSTATI

MONITORS (AEROLSO MONITOR)

MS (MASS SPECTROMETER (NEUTRAL GAS))

NATE (NEUTRAL ATMOSPHERE TEMPERATURE)

OSS (OPEN SOURCE NEUTRAL MASS SPECTR)

OZONE DETECTOR (UV OZONE DETECTOR)

PG (IONIZATION PRESSURE GAUGES)

PHOTOMETERS (LYMAN-ALPHA PHOTOMETER)

RAD GAUGE (RAM ATMOSPHERE DENSITY GAUGE)

RADIOMETERS (INFRARED RADIOMETER)

SENSORS (VIS. NITROGEN DIOXIDE SENSOR)

UVIC (UV ION CHAMBERS)

VAE (VISIBLE AIRGLOW EXPERIMENT)

Data Centers

National Space Science Data Center (NSSDC), NASA

Monthly Maximum Normalized Difference Vegetation Index

Coverage Dates: 1983-07-12 to 1984-06-15

Source/Spacecraft

NOAA-7

NOAA-9

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

Goddard Institute for Space Studies (GISS)

**Production of Carbon Dioxide from Fossil Fuel Burning by Fuel Type, 1860-1982,
CDIAC NDP-006**

Coverage Dates: 1860-01-01 to 1982-01-01

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE

The Genesis of Atlantic Lows Experiment (GALE), on CD-ROM

Coverage Dates: 1986-01-16 to 1986-03-15

Source/Spacecraft

AIRCRAFT

GROUND STATIONS

NOAA-9

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

GALE, ERICA Data Center, Drexel University (GDCEDC)

NASA Climate Data System (NCDS)

ATMOSPHERIC COMPOSITION>METHANE

Atmospheric Absorption/Emission AFGL Program

Data Centers

National Climatic Data Center (NCDC), NOAA

Atmospheric Trace and Minor Gas Mixing Ratio Profiles, Infrared Spectra Data, and Atlases of the IR Spectrum of Earth's Atmosphere and Sun

Coverage Dates: 1985-04-01 to 1985-05-31

Source/Spacecraft

STS 51-B

Sensor/Instrument

ATMOS

Data Centers

National Space Science Data Center (NSSDC), NASA

Zone Means Methane and Nitrous Oxide Mixing Ratio Profiles (ZMT-G) from Nimbus-7 SAMS

Coverage Dates: 1979-01-01 to 1981-12-30

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

SAMS (STRATOS. MESOSPHERE ATMOS. SOUND)

Data Centers

National Space Science Data Center (NSSDC), NASA

ATMOSPHERIC COMPOSITION>NITROGEN

Ambient Densities In Mission Analysis Files (MAFs) for the Neutral Atmosphere Composition Spectrometer (NACS) on Dynamics Explorer-2

Coverage Dates: 1981-08-08 to 1983-02-15

Source/Spacecraft

DE-2

Sensor/Instrument

NACS (NEUT. ATMOS. COMP. SPECTROMETER)

Data Centers

Goddard Space Flight Center (GSFC), NASA

Atmospheric Absorption/Emission AFGL Programs

Data Centers

NASA Climate Data Center (NCDC)

Atmospheric Trace and Minor Gas Mixing Ratio Profiles, Infrared Spectra Data, and Atlases of the IR Spectrum of Earth's Atmosphere and Sun

Coverage Dates: 1985-04-01 to 1985-05-31

Source/Spacecraft

STS 51-B

Sensor/Instrument

ATMOS

Data Centers

National Space Science Data Center (NSSDC), NASA

Global Atmospheric Background Monitoring (BAPMON)/Turbidity Data

Coverage Dates: 1971-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climate Data Center (NCDC), NOAA

Global Cloud Data from the International Satellite Cloud Climatology Project (ISCCP-C)

Coverage Dates: 1983-07-01 to Present

Source/Spacecraft

GMS-1
GMA-2
GMS-3
GOES-5
GOES-6
METEOSAT-2
NOAA-10
NOAA-7
NOAA-8
NOAA-9

Sensor/Instrument

AVHRR
MIR
TOVS
VAS
VISSR

Data Centers

National Climate Data Center (NCDC), NOAA
NASA Climate Data System (NCDS)

Global Maps of Atmospheric Parameters from NIMBUS-7 LIMS (LAMAT)

Coverage Dates: 1978-10-26 to 1979-05-28

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

LIMS (LIMB INFRARED MONITOR)

Data Centers

NASA Climate Data System (NCDS)
National Space Science Data Center (NSSDC), NASA

Inverted Radiance Profile and Mixing Ratio Data (LAIPAT) from NIMBUS-7 LIMS

Coverage Dates: 1978-10-26 to 1979-05-28

Sensor/Spacecraft

NIMBUS-7

Sensor/Instrument

LIMS (LIMB INFRARED MONITOR)

Data Centers

National Space Science Data Center (NSSDC), NASA

Miscellaneous NSSDC Atmospheric Data from Earlier Spacecraft

Coverage Dates: 1963-04-04 to 1984-09-30

Source/Spacecraft

AD-A (EXPLORER 19)
AD-B (EXPLORER 24)
AD-C (EXPLORER 39)
AE-D (AE-D)
AEROS 2 (AEROS)
AEROS (AEROS)
DASH-2 (DASH-2)
EXPLORER 9
MIDAS 2
OGO 2
OGO-4
OGO-6
OV1-15

Sensor/Instrument

ACCELEROMETERS (TRIAxIAL ACCELEROMETER)
APPARATUS (SATEL. DRAG TRACKING APPARATUS)
EB SPECTROMETER (EBERT-FASTIE SPECTROMETER)
EUV SPECTROMETER (EXTREME UV SPECTROMETER)
FPI (FABRY-PEROT INTERFEROMETER)
MESA (MINIATURE ELECTROSTATIC ANALYZE)
MONITORS (AEROSOL MONITOR)
MS (MASS SPECTROMETER (NEUTRAL GAS))
NATE (NEUTRAL ATMOSPHERE TEMPERATURE)
OSS (OPEN SOURCE NEUTRAL MASS SPECTR)
OZONE DETECTOR (UV OZONE DETECTOR)
PG (IONIZATION PRESSURE GAUGES)
PHOTOMETERS (LYMAN-ALPHA PHOTOMETER)
RAD GAUGE (RAM ATMOSPHERE DENSITY GAUGE)
RADIOMETERS (INFRARED RADIOMETER)
SENSORS (VIS. NITROGEN DIOXIDE SENSOR)
UVIC (U V ION CHAMBERS)
VAE (VISIBLE AIRGLOW EXPERIMENT)

Data Centers

National Space Science Data Center (NSSDC), NASA

NASA Global Atmospheric Sampling Program (GASP)

Coverage Dates: 1972-01-01 to 1983-12-31

Source/Spacecraft

AIRCRAFT

Data Centers

NASA Climate Data Center (NCDS)

Observations of Tropospheric Trace Gases and Meteorology in Rural Virginia Using and Unattended Monitoring System

Coverage Dated: 1988-10-12 to 1989-10-22

Source/Spacecraft

GROUND STATIONS

Data Centers

University of Maryland (UMD)

Orbit Track and Monthly Averaged NO₂ Volume Mixing Ratio Profiles from the Solar Mesosphere Explorer (SME) Visible Spectrometer

Coverage Dates: 1982-02-17 to 1986-12-01

Source/Spacecraft

SME

Sensor/Instrument

VISIBLE SPECTROMETER

Data Centers

National Space Science Data Center (NSSDC), NASA

Unified Abstract Files (Combined AE Data) from Atmosphere Explorers (AE) C,D, & E - Available from NSSDC

Coverage Dates: 1973-12-16 to 1981-06-07

Source/Spacecraft

AE-C

AE-D

AE-E

Sensor/Instrument

BIMS (ION MASS. SPECTROMETER)

CEP (CYLINDRICAL ELECTROSTATIC PROBE)

ESUM (EXTREME SOLAR UV MONITOR)

EUVS (SOLAR EUV SPECTROPHOTOMETER)

IDM (ION DRIFT METER)

LEE (LOW ENERGY ELECTRONS)

MESA (MINIATURE ELECTROSTATIC ANALYZER)

MIMS (MAGNETIC ION MASS SPECTROMETER)

NACE (NEUT. ATMOS. COMPOSITION EXP.)

NATE (NEUTRAL ATMOSPHERE TEMPERATURE)

OSS (OPEN SOURCE NEUTRAL MASS SPECTR)

PES (PHOTOELECTRON SPECTROMETER)

RPA (RETARDING POTENTIAL ANALYZER)

UVNO (ULTRAVIOLET NO SPECTROMETER)

VAE (VISIBLE AIRGLOW EXPERIMENT)

Data Centers

National Space Science Data Center (NSSDC), NASA

Vertical Profiles of Aerosol and Gas from ERBS SAGE II

Coverage Dates: 1984-10-24 to Present

Source/Spacecraft

ERBS

Sensor/Instrument

SAGE (STRATOSPHERIC AEROSOL GAS EXPER)

Data Centers

NASA Climate Data System (NCDS)

National Space Science Data Center (NSSDC), NASA

Vertical Profiles of Aerosol, Ozone, and Nitrogen Dioxide from AEM-2 SAGE

Coverage Dates: 1979-03-01 to 1981-11-01

Source/Spacecraft

AEM-2

Sensor/Instrument

SAGE (STRATOSPHERIC AEROSOL GAS EXPER)

Data Centers

NASA Climate Data System (NCDS)

National Space Science Data Center (NSSDC), NASA

Wind and Temperature Intermediate Data from the Wind and Temperature Spectrometer (WATS) Experiment on Dynamics Explorer-2

Coverage Dates: 1981-01-05 to 1983-02-18

Source/Spacecraft

DE-2

Sensor/Instrument

WATS (WIND AND TEMPERATURE SPECTROMET)

Data Centers

Goddard Space Flight Center (GSFC), NASA

Zonal Means Methane and Nitrous Oxide Mixing Ratio Profiles (ZMT-G) from Nimbus 7 SAMS

Coverage Dates: 1979-01-01 to 1981-12-30

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

SAMS (STRATOS. MESOSPHERE ATMOS. SOUN)

Data Centers

National Space Science Data Center (NSSDC), NASA

ATMOSPHERIC COMPOSITION>OZONE

Annual and Seasonal Global Variation in Total Ozone and Layer - Mean Ozone, 1958-1986, CDIAC NDP-023

Coverage Dates: 1958-01-01 to 1986-01-01

Sensor/Instrument

DOBSON SPECTROPHOTOMETER
OZONEMETER
OZONESONDE
UMKEHR OBSERVATIONS

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE

Atmospheric Absorption/Emission AFGL Programs

Data Centers

National Climatic Data Center (NCDC), NOAA

Atmospheric Data from the NOAA Series Satellites - TOVS Sounding Product

Coverage Dates: 1970-01-01 to Present

Source/Spacecraft

NOAA POES

Sensor/Instrument

TOVS (TIROS OPER VERTICAL SOUNDER)

Data Centers

Satellite Data Services Division (SDSD), NOAA

Atmospheric Trace and Minor Gas Mixing Ratio Profiles, Infrared Spectra Data, and Atlases of the IR Spectrum of Earth's Atmosphere and Sun

Coverage Dates: 1985-04-01 to 1985-05-31

Source/Spacecraft

STS 51-B

Sensor/Instrument

ATMOS

Data Centers

National Space Science Data Center (NSSDC), NASA

Climatological Data National Summary

Coverage Dates: 1950-01-01 to 1980-12-31

Source/Spacecraft

GROUND STATIONS
RADIOSONDE STATIONS
RAWINSONDE STATIONS
SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Compressed Total Ozone (CPOZ-B) from NIMBUS-4 BUV

Coverage Dates: 1970-04-10 to 1977-05-06

Source/Spacecraft

NIMBUS-4

Sensor/Instrument

BUV (BACKSCATTER ULTRAVIOLET)

Data Centers

NASA Climate Data System (NCDS)

National Climatic Data Center (NCDC), NOAA

Digital Radiance Data for the ISCCP (B3) Project - Available from NOAA/NESDIS/SDSD

Coverage Dates: 1983-07-01 to Present

Source/Spacecraft

GMS

METEOSAT

NOAS GOES

NOAA POES

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

VAS (VISSR ATMOSPHERIC SOUNDER)

Data Centers

Satellite Data Services Division (SDSD), NOAA

Earthnet Programme Office NOAA-TIROS AVHRR and TOVS Data

Coverage Dates: 1978-11-06 to Present

Source/Spacecraft

NOAA-10

NOAA-11

NOAA-6

NOAA-7

NOAA-8

NOAA-9

TIROS N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

TOVS (TIROS OPER VERTICAL SOUNDER)

Data Centers

Earthnet Programme Office (EPO), ESA

**Experiment on Rapidly Intensifying Cyclones Over the Atlantic (ERICA) Field Study,
On CD-ROM**

Coverage Dates: 1988-12-01 to 1989-02-26

Source/Spacecraft

AIRCRAFT

GOES-6

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

GALE, ERICA Data Center, Drexel University (GDCEDC)

NASA Climate Data Center (NCDS)

Global Cloud Data from the International Satellite Cloud Climatology Project (ISCCP-C)

Coverage Dates: 1983-07-01 to Present

Source/Spacecraft

GMS-1
GMS-2
GMS-3
GOES-5
GOES-6
METEOSAT-2
NOAA-10
NOAA-7
NOAA-8
NOAA-9

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)
MIR (MULTISPECTRAL IMAGING RAD.)
TOVS (TIROS OPER VERTICAL SOUNDER)
VISSR (VISIBLE INFRARED SPIN SCAN RAD.)

Data Centers

National Climatic Data Center (NCDC), NOAA
NASA Climate Data System (NCDS)

Global Maps of Atmospheric Parameters from NIMBUS-7 LIMS (LAMAT)

Coverage Dates: 1978-10-26 to 1979-05-28

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

LIMS (LIMB INFRARED MONITOR)

Data Centers

NASA Climate Data System (NCDS)
National Space Science Data Center (NSSDC), NASA

Meteorological and Oceanographical Data from the First GARP Global Experiment (FGGE)

Coverage Dates: 1978-12-01 to 1979-11-30

Source/Spacecraft

AIRCRAFT
BALLOONS
BUOYS
GMS
GOES-2
GROUND STATIONS
METEOSAT
NIMBUS-7
NOAA-5
NOAA-6
SHIPS
TIROS-N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)
DROPSONDE (DROPSONDE)
ERB (EARTH RAD. BUDGET INSTRUMENTS)
LIMS (LIMB INFRARED MONITOR)
RADIOSONDE (RADIOSONDE)
SMMR (SCAN MULTICHANNEL M/WAVE RAD.)
TOVS (TIROS OPER VERTICAL SOUNDER)
VTPR (VERTICAL TEMP PROFILE RAD.)

Data Centers

National Center for Atmospheric Research (NCAR)
NASA Climate Data System (NCDS)

Miscellaneous NSSDC Atmospheric Data from Earlier Spacecraft

Coverage Dates: 1963-04-04 to 1984-09-30

Source/Spacecraft

AD-A (EXPLORER 19)
AD-B (EXPLORER 24)
AD-C (EXPLORER 39)
AE-D
AE-E
AEROS
AEROS 2
DASH-2
EXPLORER 9
MIDAS 2
OGO 2
OGO-4
OGO-6
OV1-15

Sensor/Instrument

ACCELEROMETERS (TRIAxIAL ACCELEROMETER)
APPARATUS (SATEL. DRAG TRACKING APPARATUS0
EB SPECTROMETER (EBERT-FASTIE SPECTROMETER)
EUV SPECTROMETER (EXTREME UV SPECTROMETER)
FPI (FABRY-PEROT INTERFEROMETER)
MESA (MINIATURE ELECTROSTATIC ANALYZE)
MONITORS (AEROSOL MONITOR)
MS (MASS SPECTROMETER (NEUTRAL GAS))
NATE (NEUTRAL ATMOSPHERE TEMPERATURE)
OSS (OPEN SOURCE NEUTRAL MASS SPECTR)
OZONE DETECTOR (UV OZONE DETECTOR)
PG (IONIZATION PRESSURE GAUGES)
PHOTOMETERS (LYMAN-ALPHA PHOTOMETER)
RAD GAUGE (RAM ATMOSPHERE DENSITY GAUGE)
RADIOMETERS (INFRARED RADIOMETER)
SENSORS (VIS. NITROGEN DIOXIDE SENSOR)
UVIC (U V ION CHAMBERS)
VAE (VISIBLE AIRGLOW EXPERIMENT)

Data Centers

National Space Science Data Center (NSSDC), NASA

NASA Global Atmospheric Sampling Program (GASP)

Coverage Dates: 1972-01-01 to 1983-12-31

Source/Spacecraft

AIRCRAFT

Data Centers

National Climate Data Center (NCDC), NOAA

Observations of Tropospheric Trace Gases and Meteorology in Rural Virginia Using an Unattended Monitoring System

Coverage Dates: 1988-10-12 to 1989-10-22

Source/Spacecraft

GROUND STATIONS

Data Centers

University of Maryland (UMD)

Ozone Data

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climate Data Center (NCDC), NOAA

Profile and Total Ozone and Reflectivity Data from NIMBUS-7 SBUV (HDSBUV, CPOZ, ZMT-S, PSC)

Coverage Dates: 1978-10-30 to 1988-03-01

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

SBUV (SOLAR BACKSCATTER UV SPECTRO)

Data Centers

NASA Climate Data System (NCDS)

National Space Science Data Center (NSSDC), NASA

Radiances, Orbital Ozone, and Daily and Monthly Averaged Ozone Mixing Ratio Profiles from the Solar Mesosphere Explorer (SME)

Coverage Dates: 1981-12-15 to 1986-12-18

Source/Spacecraft

SME (SME)

Sensor/Instrument

IR SPECTROMETER

UV SPECTROMETER

Data Centers

National Space Science Data Center (NSSDC), NASA

The Genesis of Atlantic Lows Experiment (GALE), on CD-ROM

Coverage Dates: 1986-01-15 to 1986-03-15

Source/Spacecraft

AIRCRAFT

GROUND STATIONS

NOAA-9

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

GALE, ERICA Data Center, Drexel University (GDCEDC)

NASA Climate Data Center (NCDS)

University of Washington, Seattle (UWA)

Total Ozone and Reflectivity from NIMBUS-7 TOMS (HDTOMS, GRIDTOMS)

Coverage Dates: 1978-10-30 to Present

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

TOMS (TOTAL OZONE MAPPING SPECT)

Data Centers

NASA Climate Data System (NCDS)

National Space Science Data Center (NSSDC), NASA

TIROS Series AVHRR and TOVS HRPT Data and SHARP Product (Level 1B) Earthnet Programme Office Archive

Coverage Dates: 1978-11-06 to Present

Source/Spacecraft

NOAA-6
NOAA-7
NOAA-8
NOAA-9
NOAA-10
NOAA-11
TIROS-N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)
HRPT (HIGH RESOLUTION PICTURE TRANSMI)
TOVS (TIROS OPER VERTICAL SOUNDER)

Data Centers

Earthnet Program Office (EPO), ESA

Vertical Profiles of Aerosol and Gas from ERBS SAGE II

Coverage Dates: 1984-10-24 to Present

Source/Spacecraft

ERBS

Sensor/Instrument

SAGE (STRATOSPHERIC AEROSOL GAS EXPER)

Data Centers

NASA Climate Data System (NCDS)
National Space Science Data Center (NSSDC), NASA

Vertical Profiles of Aerosol, Ozone, and Nitrogen Dioxide from AEM-2 SAGE

Coverage Dates: 1979-30-01 to 1981-11-01

Source/spacecraft

AEM-2

Sensor/Instrument

SAGE (STRATOSPHERIC AEROSOL GAS EXPER)

Data Centers

NASA Climate Data System (NCDS)
National Space Science Data Center (NSSDC), NASA

ATMOSPHERIC COMPOSITION>TRACE GASES

Ambient Densities In Mission Analysis Files (MAFs) for the Neutral Atmosphere Composition Spectrometer (NACS) on Dynamics Explorer-2

Coverage Dates: 1981-08-08 to 1983-02-15

Source/Spacecraft

DE-2

Sensor/Instrument

NACS (NEUT. ATMOS. COMP. SPECTROMETER)

Data Centers

Goddard Space Flight Center (GSFC), NASA

Atmospheric Absorption/Emission AFGL Programs

Data Centers

National Climate Data Center (NCDC), NOAA

Atmospheric Trace and Minor Gas Mixing Ratio Profiles, Infrared Spectra Data, and Atlases of the IR Spectrum of Earth's Atmosphere and Sun

Coverage Dates: 1985-04-01 to 1985-05-31

Source/Spacecraft

STS 51-B

Sensor/Instrument

ATMOS

Data Center

National Space Science Data Center (NSSDC), NASA

Experiment on Rapidly Intensifying Cyclones Over the Atlantic (ERICA) Field Study, On CDROM

Coverage Dates: 1988-12-01 to 1989-02-26

Source/Spacecraft

AIRCRAFT

GOES-6

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

GALE, ERICA Data Center, Drexel University (GDCEDC)

National Climate Data Center (NCDS), NOAA

Miscellaneous NSSDC Atmospheric Data from Earlier Spacecraft

Coverage Dates: 1963-04-04 to 1984-09-30

Source/Spacecraft

AD-A (EXPLORER 19)
AD-B (EXPLORER 24)
AD-C (EXPLORER 39)
AE-D
AE-E
AEROS
AEROS 2
DASH-2
EXPLORER 9
MIDAS 2
OGO 2 (OGO 2)
OGO-4 (OGO 4)
OGO-6 (OGO 6)
OV1-15 (OV1-15)

Sensor/Instrument (Internal Control Name)

ACCELEROMETERS (TRIAxIAL ACCELEROMETER)
APPARATUS (SATEL. DRAG TRACKING APPARATUS)
EB SPECTROMETER (EBERT-FASTIE SPECTROMETER)
EUV SPECTROMETER (EXTREME UV SPECTROMETER)
FPI (FABRY-PEROT INTERFEROMETER)
MESA (MINIATURE ELECTROSTATIC ANALYZE)
MONITOR (AEROSOL MONITOR)
MS (MASS SPECTROMETER (NEUTRAL GAS))
NATE (NEUTRAL ATMOSPHERE TEMPERATURE)
OSS (OPEN SOURCE NEUTRAL MASS SPECTR)
OZONE DETECTOR (UV OZONE DETECTOR)
PG (IONIZATION PRESSURE GAUGES)
PHOTOMETERS (LYMAN-ALPHA PHOTOMETER)
RAD GAUGE (RAM ATMOSPHERE DENSITY GAUGE)
RADIOMETERS (INFRARED RADIOMETER)
SENSORS (VIS. NITROGEN DIOXIDE SENSOR)
UVIC (U V ION CHAMBERS)
VAE (VISIBLE AIRGLOW EXPERIMENT)

Data Centers

National Space Science Data Center (NSSDC), NASA

NASA Global Atmospheric Sampling Program (GASP)

Coverage Dates: 1972-01-01 to 1983-12-31

Source/Spacecraft

AIRCRAFT

Data Centers

National Climate Data Center (NCDC), NOAA

Observation of Tropospheric Trace Gases and Meteorology in Rural Virginia Using an Unattended Monitoring System

Coverage Dates: 1988-10-12 to 1989-10-22

Source/Spacecraft

GROUND STATIONS

Data Centers

University of Maryland (UMD)

Orbit Track Nitric Oxide Density Profiles from the Solar Mesosphere Explorer (SME)

Coverage Dates: 1982-01-06 to 1986-12-11

Source/Spacecraft

SME

Sensor/Instrument

UV SPECTROMETER

Data Centers

National Space Science Data Center (NSSDC), NASA

Spacelab-3 Minor and Trace Gas Mixing Ratio Profiles

Coverage Dates: 1985-04-29 to 1985-05-06

Source/Spacecraft

STS 51-B

Sensor/Instrument

MICHELSON INTERFEROMETER

Data Centers

Jet Propulsion Laboratory (JPL)

National Space Science Data Center (NSSDC), NASA

Unified Abstract Files (Combined AE Data) from Atmosphere Explorers (AE) C,D, & E - Available from NSSDC

Coverage Dates: 1973-12-16 to 1981-06-07

Source/Spacecraft

AE-C

AE-D

AE-E

Sensor/Instrument

BIMS (ION MASS SPECTROMETER)

CEP (CYLINDRICAL ELECTROSTATIC PROBE)

ESUM (EXTREME SOLAR UV MONITOR)

EUVS (SOLAR EUV SPECTROPHOTOMETER)

IDM (ION DRIFT METER)

LEE (LOW ENERGY ELECTRONS)

MESA (MINIATURE ELECTROSTATIC ANALYZE)

MIMS (MAGNETIC ION MASS SPECTROMETER)

NACE (NEUT. ATMOS. COMPOSITION EXP.)

NATE (NEUTRAL ATMOSPHERE TEMPERATURE)

OSS (OPEN SOURCE NEUTRAL MASS SPECTR)

PES (PHOTOELECTRON SPECTROMETER)

RPA (RETARDING POTENTIAL ANALYZER)

UVNO (ULTRAVIOLET NO SPECTROMETER)

VAE (VISIBLE AIRGLOW EXPERIMENT)

Data Centers

National Space Science Data Center (NSSDC), NASA

SECTION 2
ATMOSPHERIC DYNAMICS

ATMOSPHERIC DYNAMICS>ATMOSPHERIC TEMPERATURE

A Global Grid Point Surface Air Temperature Data Set: 1851-1984, CDIAC NDP-020

Coverage Dates: 1851-01-01 to 1984-01-01

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE

ACCUDATA Real-time Weather Data Base from Accu-Weather

Source/Spacecraft

GROUND STATIONS

NOAA GOES

RADIOSONDE STATIONS

RAWINSONDE STATIONS

SHIP/BUOYS

Sensor/Instrument

RADAR

Data Centers

ACCU-Weather

Adiabatic Charts (WBAN-31)

Coverage Dates: 1952-01-01 to Present

Source/Spacecraft

RADIOSONDE STATIONS

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

AFOS Disseminating Meteorological/Hydrological Data: PIREP, AIRMET, SIGMET, and Other Forecasts/Advisories/Warnings, also SRRS

Coverage Dates: 1983-07-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Sensor/Instrument

RADAR

Data Centers

National Climatic Data Center (NCDC), NOAA

Annual Climatological Summary

Coverage Dates: 1962-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Annual and Seasonal Global Temperature Anomalies in the Troposphere and Low Stratosphere, 1958 - Summer 1986, CDIAC NDP-008/R1

Coverage Dates: 1985-01-01 to 1986-08-01

Source/Spacecraft

RADIOSONDE STATIONS

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE

Annual and Seasonal Temperature Deviations from the Climatological Mean

Coverage Dates: 1958-01-01 to 1985-12-31

Source/Spacecraft

GROUND STATIONS

Sensor/Instrument

RADIOSONDE

Data Centers

NASA Climate Data System (NCDS)

Antarctic Surface Temperature and Pressure Data, CDIAC NDP-032

Coverage Dates: 1903-01-01 to 1988-01-01

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE

Arctic Ocean Drifting Buoy Data

Coverage Dates: 1979-01-19 to Present

Source/Spacecraft

DRIFTING BUOY (SHIP/BOUYS)

Sensor/Instrument

BAROMETER (PRESSURE GAUGES)

THERMOMETER

Data Centers

National Snow and Ice Data Center (NSIDC)

ARL BAT Model/Temperature Input

Coverage Dates: 1975-01-01 to Present

Source/Spacecraft

RADIOSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Atmospheric Data from the NOAA Series Satellites - TOVS Sounding Product

Coverage Dates: 1979-01-01 to Present

Source/Spacecraft

NOAA-POES

Sensor/Instrument

TOVS (TIROS OPER VERTICAL SOUNDER)

Data Centers

Satellite Data Services Division (SDSD), NOAA

Atmospheric Transport and Dispersion (ATAD) Model with NAMER Wind/Temperature Data (TD-9743)

Coverage Dates: 1975-01-01 to Present

Data Centers

National Climatic Data Center (NCDC), NOAA

Automated Meteorological Station Data at the Pilot Land Data System

Coverage Dates: 1987-05-15 to 1987-10-01

Source/Spacecraft

COE DCP (AUTOMATED METEOROLOGICAL STA.)

Sensor/Instrument

PAM (PORTABLE AUTOMATED MESONET)

Data Centers

Pilot Land Data System (PLDS), NASA

Climatic Atlas

Coverage Dates: 1930-01-01 to 1960-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatic Data for Northern Hemisphere Land Areas, 1851-1980, CDIAC NDP-012

Coverage Dates: 1851-01-01 to 1980-01-01

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE

Climatic Data for Selected U.S. and Canadian Stations, 1941-1980, CDIAC NDP-016

Coverage Dates: 1941-01-01 to 1980-01-01

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE

Climatic Diagnostics Database

Coverage Dates: 1978-10-01 to 1983-09-30

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatic Summaries for NOAA Data Buoys

Coverage Dates: 1972-01-01 to 1981-01-01

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatic Summaries of the Near Coastal Zone

Coverage Dates: 1854-01-01 to 1986-06-30

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatology of the U.S. Nos. 10, 11, 86, Climatic Summary of the U.S., (1800-1960)

Coverage Dates: 1800-01-01 to 1960-01-01

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatography of the U.S. No. 20 - Selected Weather Observing Regions (Cities)

Coverage Dates: 1951-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatography of the U.S. Nos. 20, 60; Climate of Cities and States

Coverage Dates: 1893-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatography of the U.S. No. 60 - State Weather Observing Regions

Coverage Dates: 1941-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatography of the U.S. No. 90; Airport Climatological Summary

Coverage Dates: 1965-01-01 to 1974-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatography of the U.S. Nos. 81, 84, 85; Daily, Monthly, and Divisional Normals of Temperature, Precipitation, and Heating and Cooling Degree Day Including Su

Coverage Dates: 1921-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatography of the U.S. No. 82, Summary of Hourly Observations

Coverage Dates: 1949-01-01 to 1960-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatological Data - Daily, Monthly, Seasonal and Annual Data by Drainage Basin

Coverage Dates: 1895-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatological Data (State) - Daily, Monthly, Seasonal and Annual

Coverage Dates: 1885-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatological Data for Amundsen-Scott, Antarctica

Coverage Dates: 1957-01-01 to 1975-12-31

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatological Data for Arctic Stations

Coverage Dates: 1957-07-01 to 1971-04-01

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatological Data National Summary

Coverage Dates: 1950-01-01 to 1980-12-31

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

RAWINSONDE STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatological Record Book

Coverage Dates: 1871-01-01 to 1970-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatology of the US No. 84 Daily Normals - Temperature and Precipitation

Coverage Dates: 1921-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatology of the US No. 85 Divisional Normals of Temperature and Precipitation

Coverage Dates: 1931-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatology of the US No. 81 Monthly Normals by State

Coverage Dates: 1931-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Composite Moisture Index Chart

Coverage Dates: 1962-01-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

Data Centers

National Climatic Data Centers (NCDC), NOAA

Comprehensive Ocean-Atmosphere Data Set (COADS) Character-Formatted Long Marine Reports

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Climatic Data Center (NCDC), NOAA

Comprehensive Ocean-Atmosphere Data Set (COADS) Compressed Marine Reports

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Center for Atmospheric Research (NCAR)

Comprehensive Ocean-Atmosphere Data Set (COADS) Decadal Summaries

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Center for Atmospheric Research (NCAR)

Comprehensive Ocean-Atmosphere Data Set (COADS) Long Marine Reports

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Center for Atmospheric Research (NCAR)

Comprehensive Ocean-Atmosphere Data Set (COADS) Monthly Summaries

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Center for Atmospheric Research (NCAR)

Comprehensive Ocean-Atmosphere Data Set (COADS) Monthly Summary Trimmed Groups

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Center for Atmospheric Research (NCAR)

Comprehensive Ocean-Atmosphere Data Set (COADS) Monthly Summary Untrimmed Groups

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Center for Atmospheric Research (NCAR)

Cooperative Summary of the Month (TD-3220) - Summary of Weather Observations from Cooperative Weather Stations

Coverage Dates: 1876-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Daily Cooperative/First Order Summary of the Day and Month, and Summary of the Day Form 5670

Coverage Dates: 1850-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

EarthInfo Inc. (EII)

National Climatic Data Center (NCDC), NOAA

Daily Means and Extremes of Temperature, Precipitation and Snowfall

Coverage Dates: 1948-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Daily, Monthly and Annual Normals of Temperature, Precipitation and Heating/Cooling Degree Days for North America

Coverage Dates: 1931-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Daily Normals (TD-9641) - Normal Maximum and Minimum Temperature for US and its Protectorates

Coverage Dates: 1931-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Daily Weather Maps--Weekly

Coverage Dates: 1899-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Daily Weather Observations - Daily Cooperative Data (TD-3200)

Coverage Dates: 1850-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Digitized Isopleths of the World--Volume IX, North Atlantic Atlas Contours--Volume 1

Coverage Dates: 1850-01-01 to 1970-12-31

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Earthnet Programme Office NOAA-TIROS, AVHRR and TOVS Data

Coverage Dates: 1978-11-06 to Present

Source/Spacecraft

NOAA-10
NOAA-11
NOAA-6
NOAA-7
NOAA-8
NOAA-9
TIROS N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)
TOVS (TIROS OPER VERTICAL SOUNDER)

Data Centers

Earthnet Programme Office (EPO), ESA

East Anglia (Jones) Temperature Deviations

Coverage Dates: 1851-01-01 to 1988-01-01

Source/Spacecraft

GROUND STATIONS
SHIP/BUOYS

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE
NASA Climate Data System (NCDS)

Engineering Weather Data Manual

Coverage Dates: 1941-01-01 to 1974-01-01

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Experiment on Rapidly Intensifying Cyclones Over the Atlantic (ERICA) Field Study, on CD-ROM

Coverage Dates: 1988-12-01 to 1989-02-26

Source/Spacecraft

AIRCRAFT
GOES-6
GROUND STATIONS
RADIOSONDE STATIONS
SHIP/BUOYS

Data Center

GALE, ERICA Data Center, Drexel University (GDCEDC)
NASA Climate Data System (NCDS)

Fleet Numerical Oceanography Center's Analyses

Coverage Dates: 1979-01-01 to Present

Data Centers

National Center for Atmospheric Research (NCAR)
NASA Climate Data System (NCDS)

GARP Atlantic Tropical Experiment (GATE)

Coverage Dates: 1974-06-17 to 1974-09-23

Source/Spacecraft

AIRCRAFT
GROUND STATIONS
RADIOSONDE STATIONS
SHIP/BUOYS
SMS

Data Centers

National Climatic Data Center (NCDC), NOAA

GFDL Atmospheric Circulation Tape Library

Coverage Dates: 1958-05-01 to 1973-04-30

Source/Spacecraft

RADIOSONDE STATIONS
RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

GISS Surface Air Temperature Anomalies Data Set (GIST)

Coverage Dates: 1880-01-01 to 1988-12-31

Data Centers

Goddard Institute for Space Studies (GISS)
NASA Climate Data System (NCDS)

Global Atmospheric Background Monitoring (BAPMON)/Turbidity Data

Coverage Dates: 1971-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Global Cloud Data from the International Satellite Cloud Climatology Project (ISCCP-C)

Coverage Dates: 1983-07-01 to Present

Source/Spacecraft

GMS-1
GMS-2
GMS-3
GOES-5
GOES-6
METEOSAT-2
NOAA-10
NOAA-7
NOAA-8
NOAA-9

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)
MIR (MULTISPECTRAL IMAGING RAD.)
TOVS (TIROS OPER VERTICAL SOUNDER)
VAS (VISSR ATMOSPHERIC SOUNDER)
VISSR (VISIBLE INFRARED SPIN SCAN RAD.)

Data Centers

National Climatic Data Center (NCDC), NOAA
NASA Climate Data System (NCDS)

Global and Hemispheric Annual Temperature Variations Between 1861 and 1984, CDIAC NDP-022

Coverage Dates: 1861-0-01 to 1984-01-01

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE

Global Data Base of Monthly Mean Cloud and Surface Properties

Coverage Dates: 1983-07-01 to Present

Source/Spacecraft

GMS-1
GMS-2
GMS-3
GOES-5
GOES-6
METEOSAT-2
METEOSAT-3
NOAA-7
NOAA-8
NOAA-9

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)
MIR (MULTISPECTRAL IMAGING RAD.)
TOVS (TIROS OPER VERTICAL SOUNDER)
VAS (VISSR INFRARED SPIN SCAN RAD.)

Data Centers

Goddard Institute for Space Studies (GISS)

Global Maps of Atmospheric Parameters from NIMBUS-7 LIMS (LAMAT)

Coverage Dates: 1978-10-26 to 1979-05-28

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

LIMS (LIMB INFRARED MONITOR)

Data Centers

NASA Climate Data System (NCDS)

National Space Science Data Center (NSSDC), NASA

Global Summary of the Day (TD-9618) Daily Weather from NCDC

Coverage Dates: 1977-10-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Global Surface Air Temperature Variations: 1851-1984, CDIAC NDP-003/R1

Coverage Dates: 1851-01-01 to 1984-01-01

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE

Global Surface Boundary State from U of Illinois - SST, Sea ice Concentration and Snow Cover

Coverage Dates: 1972-01-01 to 1986-01-01

Data Centers

Earth Science Data Directory (ESDD), USGS

Gridded Atmospheric and Oceanic Data

Coverage Dates: 1974-06-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Gridded Data Based on the Fleet Numerical Oceanography Center (FNOC) 12-Hour Forecasts

Coverage Dates: 1979-01-01 to 1987-01-01

Data Centers

National Center for Atmospheric Research (NCAR)

NASA Climate Data System (NCDS)

Growing Season Length, First/Last Frost Days

Coverage Dates: 1968-01-01 to 1968-01-01

Source/Spacecraft

WEATHER STATIONS (GROUND STATIONS)

Data Centers

National Technical Information Services (NTIS)

Hawaii-Tahiti Norpax

Coverage Dates: 1973-01-01 to 1980-12-31

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Hellerman Wind Stress Data Set

Coverage Dates: 1870-01-01 to 1976-12-31

Source/Spacecraft

SHIP/BUOYS

Data Centers

NASA Climate Data System (NCDS)

Historical Climate Series 2-1, 2-2, 2-3 (Historical Indexes)

Coverage Dates: 1800-01-01 to 1984-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Historical Climatological Series - Degree Days Weighted by Population

Coverage Dates: 1931-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Historical Climatology Series; 1-1, Cooperstown, NY; 1-2, Yellowstone, WY; and 1-3, Southeastern Iowa, and the Climatic Guide for Six U.S. Cities (Climatograph)

Coverage Dates: 1817-01-01 to 1979-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Historical Climatological Series 4-: Areal Weighted Data

Coverage Dates: 1895-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Historical Climatological Series 5-1; State, Regional, and National Monthly and Seasonal Heating and Cooling Degree Days Weighted by Population

Coverage Dates: 1931-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Historical Climatology Series 6-1; Statewide Average Climatic History

Coverage Dates: 1880-01-01 to 1982-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Index of Original Surface Weather Records (by State)

Coverage Dates: 1890-01-01 to 1981-12-31

Source/Spacecraft

GROUND STATIONS

Sensor/Instrument

RADAR

Data Centers

National Climatic Data Center (NCDC), NOAA

Input Data for Solar Systems

Coverage Dates: 1941-01-01 to 1976-12-31

Source/Spacecraft

GROUND STATIONS

Data Center

National Climatic Data Center (NCDC), NOAA

International Reference Ionosphere Model

Data Centers

National Space Science Data Center (NSSDC), NASA

Interpolated Atmospheric Temperature Values from NIMBUS-4 & NIMBUS-5 SCR

Coverage Dates: 1970-04-08 to 1978-04-30

Source/Spacecraft

NIMBUS-4

NIMBUS-5

Sensor/Instrument

SELECTIVE CHOPPER RADIOMETERS

Data Centers

NASA Climate Data System (NCDS)

National Space Science Data Center (NSSDC), NASA

Inverted Radiance Profile and Mixing Ratio

Coverage Dates: 1978-10-26 to 1979-05-28

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

LIMS (LIMB INFRARED MONITOR)

Data Centers

National Space Science Data Center (NSSDC), NASA

Land Surface Synoptic

Coverage Dates: 1967-01-01 to 1980-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Last Spring and First Fall Freeze Dates

Coverage Dates: 1931-01-01 to 1980-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Max Planck Institute Heat Fluxes

Coverage Dates: 1950-01-01 to 1979-12-31

Source/Spacecraft

GROUND STATION

SHIP/BUOYS

Data Centers

NASA Climate Data System (NCDS)

Maximum and Minimum Temperature Chart (12 Hour)

Coverage Dates: 1966-04-01 to Present

Source/Spacecraft

AIRCRAFT

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Meteorological and Oceanographic Data from the First GARP Global Experiment (FGGE)

Coverage Dates: 1978-12-01 to 1979-12-01

Source/Spacecraft

AIRCRAFT
BALLONS
BUOYS
GMS
GOES-2
GROUND STATIONS
METEOSAT
NIMBUS-7
NOAA-5
NOAA-6
RADIOSONDE STATIONS
SHIP/BUOYS
TIROS-N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)
CURRENT METERS
DROPSONDE
ERB (EARTH RAD. BUDGET INSTRUMENTS)
LIMS (LIMB INFRARED MONITOR)
SMMR (SCAN MULTICHANNEL M/WAVE RAD.)
TOVS (TIROS OPER VERTICAL SOUNDER)
VTPR (VERTICAL TEMP PROFILE RAD.)
XBT (BATHYTHERMOGRAPHS)

Data Centers

National Center for Atmospheric Research (NCAR)
National Climatic Data Center (NCDC), NOAA
NASA Climate Data System (NCDS)
National Oceanographic Data Center (NODC), NOAA

Meteorological and Oceanographical Data from the First GARP Global Experiment (FGGE)

Coverage Dates: 1978-12-01 to 1979-11-30

Source/Spacecraft

AIRCRAFT
BALLOONS
SHIP/BUOYS
GMS
GOES-2
GROUND STATIONS
METEOSAT
NIMBUS-7
NOAA-5
NOAA-6
SHIP/BUOYS
TIROS-N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)
DROPSONDE
ERB (EARTH RAD. BUDGET INSTRUMENTS)
LIMB INFRARED MONITOR
RADIOSONDE
SMR (SCAN MULTICANAL M/WAVE RAD.)
TOVS (TIROS OPER VERTICAL SOUNDER)
VTPR (VERTICAL TEMP PROFILE RAD.)
XBT (BATHYTHERMOGRAPHS)

Data Centers

National Center for Atmospheric Research (NCAR)
NASA Climate Data System (NCDS)

Meteorological and Oceanographic Data from the Gulf Offshore Weather Observing Network (GOWON) (F192)

Coverage Dates: 1981-01-01- to 1982-12-31

Source/Spacecraft

OCEAN BASED (OCEAN PLATFORMS)

Data Centers

National Oceanographic Data Center (NODC), NOAA

Meteorological, Ephemeris, and Raw Data (MERDAT) from AEM-2 SAGE

Coverage Dates: 1979-02-21 to 1981-11-18

Source/Spacecraft

AEM-2

Sensor/Instrument

SAGE (STRATOSPHERIC AEROSOL GAS EXPER)

Data Centers

National Space Science Data Center (NSSDC), NASA

Miscellaneous Publications

Source/Spacecraft

GROUND STATIONS
SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Mixing Height Studies

Coverage Dates: 1960-01-01 to 1964-12-31

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Monthly and Annual Mean Heating and Cooling Degree Day Normals for North America (TD-9641)

Coverage Dates: 1941-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Monthly Average Temperature and Precipitation, Potential Evaporation and Moisture Index

Coverage Dates: 1941-01-01 to 1970-12-12

Data Centers

National Technical Information Services (NTIS)

Monthly Average Temperature and Precipitation, Potential Evaporation and Moisture Index

Coverage Dates: 1941-01-01 to 1970-01-01

Source/Spacecraft

WEATHER STATIONS (GROUND STATIONS)

Data Centers

National Technical Information Service (NTIS)

Monthly and Annual North American Comparative Climatic Data

Coverage Dates: 1941-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Monthly Climatic Data for the World, Climates of the World

Coverage Dates: 1948-05-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Monthly Normals of Temperature and Precipitation (TD-9641) for North America

Coverage Dates: 1931-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

National Climate Information Disc--Volume I, on CD-ROM

Coverage Dates: 1895-01-01 to 1989-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

National Climatic Data Center (NCDC) Historical Climatology Series

Coverage Dates: 1931-01-01 to 1980-12-31

Data Centers

National Climatic Data Center (NCDC), NOAA

National Meteorological Center Hemispheric Meteorology Pepmerge Grid and Analysis (TD-9606)

Coverage Dates: 1973-01-01 to Present

Data Centers

National Climatic Data Center (NCDC), NOAA

Naval Weather Service Airfield Summaries

Coverage Dates: 1903-01-01 to Present

Data Centers

Army Engineers Topographic Laboratories (AETL)

NCAR Surface/Upper Air World Weather Records

Coverage Dates: 1741-01-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

NCDC U.S. Upper Air, NCDC GTS Upper Air, NCDC GTS AFGWC Upper Air, and Upper Air Monthly Statistics (WARMFLUX)

Coverage Dates: 1946-10-01 to Present

Source/Spacecraft

RADIOSONDE STATIONS

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

NMC Global 2.5 Degree Grid Analyses

Coverage Dates: 1976-07-01 to 1987-12-31

Data Centers

National Center for Atmospheric Research (NCAR)

NMC Global GTS Upper Air, Aircraft, Satellite Winds, Surface Land/Marine, Radiosonde Summary, and Thermodynamic Radiosonde

Coverage Dates: 1973-01-01 to Present

Source/Spacecraft

RADIOSONDE STATIONS

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

NMC Grid Point, Wind Data

Coverage Dates: 1963-01-01 to Present

Source/Spacecraft

AIRCRAFT

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Center for Atmospheric Research (NCAR)

NASA Climate Data System (NCDS)

NOAA Data Buoy Center (NDBC) Buoy Observations

Coverage Dates: 1972-10-01 to Present

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

NOAA/Great Lakes Environment Research Laboratory (GLERL) Great Lakes Air Temperature/Degree Day Climatology

Coverage Dates: 1897-01-01 to 1983-12-31

Sensor/Instrument

THERMOMETER (THERMOMETER)

Data Centers

National Snow and Ice Data Center (NSIDC)

NOC Gridded Atmospheric and Oceanic Data available from NCDC

Coverage Dates: 1974-06-01 to Present

Data Centers

National Climatic Data Center (NCDC), NOAA

North American/Northern Hemisphere Constant Pressure Charts and Summary of Constant Pressure Data (WBAN-33)

Coverage Dates: 1946-01-01 to Present

Source/Spacecraft

RADIOSONDE STATIONS

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

North American/Northern Hemisphere Surface Charts

Coverage Dates: 1942-03-01 to Present

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

North American Observational Data for July-December 1987 on CD-ROM

Coverage Dates: 1948-01-01 to 1987-12-31

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

University of Washington, Seattle (UWA)

North American Station Normals (TD-9641) - Heating and Cooling Degree Days by Station

Coverage Dates: 1931-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

N-Summary

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

NWRF RawInsonde Global

Coverage Dates: 1963-09-01 to 1970-12-31

Source/Spacecraft

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Observations of Tropospheric Trace Gases and Meteorology in Rural Virginia Using an Unattended Monitoring System

Coverage Dates: 1988-10-12 to 1989-10-22

Source/Spacecraft

GROUND STATIONS

Data Centers

University of Maryland (UMD)

Original Monthly Record of Observations WB-1001

Coverage Dates: 1872-01-01 to 1947-01-01

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Palmer Drought Tapes and Crop Moisture Index Maps

Coverage Dates: 1931-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Pilot Chart Global Sums, Atlas, Marsden Squares

Coverage Dates: 1850-01-01 to 1970-12-31

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Post 1976 Hourly Solar Radiation and Meteorological Data (TD-9736)

Coverage Dates: 1977-01-01 to 1980-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Preliminary and Local Climatological Data (City)

Coverage Dates: 1939-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Record of Climatological Observations (COOP)

Coverage Dates: 1800-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Regional Cloud and Radiance Data from First ISCCP Regional Experiment (FIRE)

Coverage Dates: 1986-04-01 to Present

Source/Spacecraft

DMSP

ERBS

GOES-6

GOES-7

LANDSAT 5

NOAA-10

NOAA-9

SPOT

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

ERBE (EARTH RAD. BUDGET INSTRUMENTS)

SAGE (STRATOSPHERIC AEROSOL GAS EXPER)

TM (THEMATIC MAPPER)

TOVS (TIROS OPER VERTICAL SOUNDER)

VAS (VISSR ATMOSPHERIC SOUNDER)

VISSR (VISIBLE INFRARED SPIN SCAN RAD.)

Data Centers

National Climatic Data Center (NCDC), NOAA

NASA Climate Data System (NCDS)

Revised Uniform Standard Summary Weather Observations (RUSSWO) and the Summary of Meteorological Observations, Surface (SMOS)

Coverage Dates: 1940-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Savannah River Experiment

Coverage Dates: 1975-03-03 to 1977-09-20

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

SOLDAY Daily Solar Radiation and Meteorological Parameters (TD-9739)

Coverage Dates: 1952-01-01 to 1976-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

SOLMET Hourly Solar Radiation Plus Surface Meteorological Observations

Coverage Dates: 1952-01-01 to 1985-10-31

Source/Spacecraft

GROUND STATIONS

Sensor/Instrument

Pyranometer

Pyrheliometer

Data Centers

National Climatic Data Center (NCDC), NOAA

Summary 6-Hourly Observations

Coverage Dates: 1984-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Summary of the Day - 1st Order (TD 3210) Meteorological Data

Coverage Dates: 1900-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Summary of the Day - 1st Order Weather Summaries from NCDC (TD-3210)

Coverage Dates: 1876-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Summary of the Day/Month Observation (Global CEAS)

Coverage Dates: 1977-10-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Surface Air Temperature Anomalies for the Northern Hemisphere: The Russian Dataset, CDIAC NDP-015

Coverage Dates: 1881-01-01 to 1980-01-01

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE

Surface Airways Hourly

Coverage Dates: 1930-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Surface/Constant Pressure Prognostic Charts

Data Centers

National Climatic Data Center (NCDC), NOAA

Surface Marine Observations, Marine Atlas Data, Marine Climatological Summaries, Coastal Marine Area Summary, Marine Climatic Atlas

Coverage Dates: 1800-01-01 to Present

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Synoptic Weather Maps, Daily Series

Coverage Dates: 1899-01-01 to 1978-12-31

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Temperature and Precipitation Normals (TD-9640) for North American Climatic Divisions

Coverage Dates: 1931-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Test Reference Year (TRY)

Coverage Dates: 1948-01-01 to 1975-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

The Genesis of Atlantic Lows Experiment (GALE), on CD-ROM

Coverage Dates: 1986-01-15 to 1986-03-15

Source/Spacecraft

AIRCRAFT

GROUND STATIONS

NOAA-9

RADIOSONDE STATIONS

Data Centers

GALE, ERICA Data Center, Drexel University (GDCEDC)

NASA Climate Data System (NCDS)

University of Washington, Seattle (UWA)

Time Bias Corrected Divisional Temperature/Precipitation Drought Index

Coverage Dates: 1895-01-01 to Present

Data Centers

National Climatic Data Center (NCDC), NOAA

Time Bias Corrected Divisional Temperature/Precipitation Drought Index, and Temperature/Precipitation Normals for North American Climatic Divisions

Coverage Dates: 1985-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

TIROS Series AVHRR and TOVS HRPT Data and SHARP Product (Level 1B) Earthnet Programme Office Archive

Coverage Dates: 1978-11-06 to Present

Source/Spacecraft

NOAA-6

NOAA-7

NOAA-8

NOAA-9

NOAA-10

NOAA-11

TIROS-N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

HRPT (HIGH RESOLUTION PICTURE TRANSMI)

TOVS (TIROS OPER VERTICAL SOUNDER)

Data Centers

Earthnet Program Office (EPO), ESA

Tropical Strip Surface Charts

Coverage Dates: 1969-03-01 to Present

Source/Spacecraft

GROUND STATIONS

SHIP/BOUYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Tropical Strip Upper Air Chart

Coverage Dates: 1975-08-01 to Present

Source/Spacecraft

RADIOSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Typical Meteorological Year

Coverage Dates: 1977-10-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Typical Meteorological Year (TD-9734)

Coverage Dates: 1953-01-01 to 1976-12-31

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Unified Abstract Files (combined AE data) from Atmosphere Explorers (AE) C,D, & E - Available from NSSDC

Coverage Dates: 1973-12-16 to 1981-06-07

Source/Spacecraft

AE-C

AE-D

AE-E

Sensor/Instrument

BIMS (ION MASS SPCTROMENTER)

CEP (CYLINDRICAL ELECTROSTATIC PROBE)

ESUM (EXTREME SOLAR UV MONITOR)

IMS (ION MASS SPECTROMETER)

IDM (ION DRIFT METER)

LEE (LOW ENERGY ELECTRONS)

MIMS (MAGNETIC ION MASS SPECTROMETER)

MESA (MINIATURE ELECTROSTATIC ANALYZE)

NACE (NEUT. ATMOS. COMPOSITION EXP.)

NATE (NEUTRAL ATMOSPHERE TEMPERATURE)

OSS (OPEN SOURCE NEUTRAL MASS SPECTR)

PES (PHOTOELECTRON SPECTROMETER)

RPA (RETARDING POTENTIAL ANALYZER)

SES (SOLAR EUV SPECTROPHOTOMETER)

UVNO (ULTRAVIOLET NO SPECTROMETER)

VAE (VISIBLE AIRGLOW EXPERIMENT)

Data Centers

National Space Science Data Center (NSSDC), NASA

United States Historical Climatology Network (HCN) Serial Temperature And Precipitation Data, CDIAC NDP-019

Coverage Dates: 1780-01-01 to 1984-01-01

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE

Upper Air Observations (Rawinsonde)

Coverage Dates: 1952-07-01 to 1978-12-31

Source/Spacecraft

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

U.S. Air Force Air Weather Service (AWS) and U.S. Navy Climatological Summary

Coverage Dates: 1940-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

U.S. Meteorological Upper-air Observation Data

Coverage Dates: 1948-01-01 TO 1986-12-31

Data Centers

National Center for Atmospheric Research (NCAR)

Vertical Profiles of Aerosol, Ozone, and Nitrogen Dioxide from AEM-2 SAGE

Coverage Dates: 1979-03-01 to 1981-11-01

Source/Spacecraft

AEM 2

Sensor/Instrument

SAGE (STRATOSPHERIC AEROSOL GAS EXPER)

Data Centers

NASA Climate Data System (NCDS)

National Space Science Data Center (NSSDC), NASA

Vertical Profiles of Aerosol and Gas from ERBS SAGE II

Coverage Dates: 1984-10-24 to Present

Source/Spacecraft

ERBS

Sensor/Instrument

SAGE (STRATOSPHERIC AEROSOL GAS EXPER)

Data Centers

NASA Climate Data System (NCDS)

National Space Science Data Center (NSSDC), NASA

Viking Lander 1 and 2, Mars Meteorology

Coverage Dates: 1976-07-20 to 1982-11-13

Source/Spacecraft

VL1 (VIKING LANDER-1)

VL2 (VIKING LANDER-2)

Sensor/Instrument

VMIS

Data Centers

Planetary Data System (PDS)

Weather Bureau Technical Papers

Data Centers

National Climatic Data Center (NCDC), NOAA

Weather Depiction Analysis Chart

Coverage Dates: 1976-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Weekly Weather and Crop Bulletin

Coverage Dates: 1924-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Wind and Temperature Intermediate Data from the Wind and Temperature Spectrometer (WATS) Experiment on Dynamics Explorer-2

Coverage Dates: 1981-08-05 to 1983-02-18

Source/Spacecraft

DE-2

Sensor/Instrument

WIND AND TEMPERATURE SPECTROMET

Data Centers

Goddard Space Flight Center (GSFC), NASA

World Monthly Surface Station Climatology

Coverage Dates: 1731-01-01 to Present

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Center for Atmospheric Research (NCAR)

World Monthly Surface Station Climatology

Coverage Dates: 1731-01-01 to Present

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Center for Atmospheric Research (NCAR)

World Monthly Weather Records from 1741 to Present

Coverage Dates: 1741-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

World WeatherDisc, Climate Data for the Planet Earth

Coverage Dates: 1700-01-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

WeatherDisc Associates, Inc. (WDAI)

World Weather Records

Coverage Dates: 1800-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Worldwide Airfield Summaries

Coverage Dates: to 1974-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

ATMOSPHERIC DYNAMICS>CLOUD TYPES

ACCUDATA Real-Time Weather Data Base from ACCU-Weather

Source/Spacecraft

GROUND STATIONS
NOAA GOES
RADIOSONDE STATIONS
RAWINSONDE STATIONS
SHIP/BUOYS

Sensor/Instrument

RADAR

Data Centers

ACCU-WEATHER

AFOS Disseminating Meteorological/Hydrological Data: PIREP, AIRMET, SIGMET, and Other Forecasts/Advisories/Warnings, also SRRS

Coverage Dates: 1983-07-01 to Present

Source/Spacecraft

GROUND STATIONS
RADIOSONDE STATIONS
SHIP/BUOYS

Sensor/Instrument

RADAR

Data Centers

National Space Science Data Center (NSSDC), NASA
National Climate Data Center (NCDC), NOAA

Calibrated and Located Radiance Data (CLDT) from NIMBUS-7 THIR

Coverage Dates: 1979-04-01 to 1985-03-31

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

THIR (TEMP HUMIDITY INFRARED RAD.)

Data Centers

National Space Science Data Center (NSSDC), NASA

Ceiling-Visibility-Wind-Tabulations

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climate Data Center (NCDC), NOAA

Climatic Atlas

Coverage Dates: 1930-01-01 to 1960-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climate Data Center (NCDC), NOAA

Climatic Study of the Near Coastal Zone

Coverage Dates: 1854-01-01 to 1986-06-30

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climate Data Center (NCDC), NOAA

Climatology of the U.S. No. 90: Airport Climatological Summary

Coverage Dates: 1965-01-01 to 1974-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climate Data Center (NCDC), NOAA

Climatological Data for Amundsen-Scott, Antarctica

Coverage Dates: 1957-01-01 to 1975-12-31

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

RAWINSONDE STATIONS

Data Centers

National Climate Data Center (NCDC), NOAA

**Climatological Data for Clouds Over the Globe from Surface Observations, CDIAC
NDP-026**

Coverage Dates: 1930-01-01 to 1983-11-01

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE

Climatological Data National Summary

Coverage Dates: 1950-01-01 to 1980-12-31

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

RAWINSONDE STATIONS

SHIP/BUOYS

Data Centers

National Climate Data Center (NCDC), NOAA

Climatological Record Book

Coverage Dates: 1871-01-01 to 1970-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climate Data Center (NCDC), NOAA

Cloud Amount Statistics from NIMBUS-7 THIR (CMATRIX)

Coverage Dates: 1979-04-01 to 1985-03-31

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

THIR (TEMP HUMIDITY INFRARED RAD.)

TOMS (TOTAL OZONE MAPPING SPECT)

Data Centers

NASA Climate Data System (NCDS)

National Space Science Data Center (NSSDC), NASA

Cloud Radiance Statistics from NIMBUS-7 THIR (NCLE)

Coverage Dates: 1979-04-01 to 1985-03-31

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

THIR (TEMP HUMIDITY INFRARED RAD.)

TOMS (TOTAL OZONE MAPPING SPECT)

Data Centers

National Space Science Data Center (NSSDC), NASA

Comprehensive Ocean-Atmosphere Data Set (COADS) Character-Formatted Long Marine Reports

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS

Data Centers

National Center for Atmospheric Research (NCAR)

Comprehensive Ocean-Atmosphere Data Set (COADS) Compressed Marine Reports

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Center for Atmospheric Research (NCAR)

Comprehensive Ocean-Atmosphere Data Set (COADS) Long Marine Reports

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Center for Atmospheric Research (NCAR)

Daily Cooperative/First Order Summary of the Day and Month, and Summary of the Day Form 5670

Coverage Dates: 1850-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

EarthInfo Inc.(EII)

National Climate Data Center (NCDC), NOAA

Digital Isopleths of the World--Volume IX, North Atlantic Atlas Contours--Volume 1

Coverage Dates: 1985-01-01 to 1970-12-31

Source/Spacecrafts

SHIP/BUOYS

Data Centers

National Climate Data Center (NCDC), NOAA

Digital Radiance Data for the ISCCP (B3) Project - available from NOAA/NESDIS/SDSD

Coverage Dates: 1983-07-01 to Present

Source/Spacecraft

GMS

METEOSAT

NOAA GOES

NOAA POES

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

VAS (VISSR ATMOSPHERIC SOUNDER)

VISSR (VISIBLE INFRARED SPIN SCAN RAD.)

Data Centers

Satellite Data Services Division (SDSD), NASA

Experiment on Rapidly Intensifying Cyclones Over the Atlantic (ERICA) Field Study, on CDROM

Coverage Dates: 1988-12-01 to 1989-02-26

Source/Spacecraft

AIRCRAFT

GOES-6

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

GALE, ERICA Data Center, Drexel University (GDCEDC)

NASA Climate Data System (NCDS)

Fleet Numerical Oceanography Center's Analyses

Coverage Dates: 1979-01-01 to Present

Data Centers

National Center for Atmospheric Research (NCAR)

NASA Climate Data System (NCDS)

FNOC Gridded Atmospheric and Oceanic Data available from NCDC

Coverage Dates: 1974-06-01 to Present

Data Centers

National Climatic Data Center (NCDC), NOAA

GARP Atlantic Tropical Experiment (GATE)

Coverage Dates: 1974-06-17 to 1974-09-12

Source/Spacecraft

AIRCRAFT

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

SMS

Data Centers

National Climate Data Center (NCDC), NOAA

Global Cloud Data from the International Satellite Cloud Climatology Project (ISCCP-C)

Coverage Dates: 1983-07-01 to Present

Source/Spacecraft

GMS-1

GMS-2

GMS-3

GOES-5

GOES-6

METEOSAT-2

NOAA-10

NOAA-7

NOAA-8

NOAA-9

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

MIR (MULTISPECTRAL IMAGING RAD.)

TOVS (TIROS OPER VERTICAL SOUNDER)

VAS (VISSR ATMOSPHERIC SOUNDER)

VISSR (VISIBLW INFRARED SPIN SCAN RAD.)

Data Centers

NASA Climate Data System (NCDS)

National Oceanographic Data Center (NODC), NOAA

National Climatic Data Center (NCDC), NOAA

Global Data Base of Monthly Mean Cloud and Surface Properties

Coverage Dates: 1983-07-01 to Present

Source/Spacecraft

GMS-1
GMS-2
GMS-3
GOES-5
GOES-6
METEOSAT-2
METEOSAT-3
NOAA-7
NOAA-8
NOAA-9

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESO. RAD.)
MIR (MULTISPECTRAL IMAGING RAD.)
TOVS (TIROS OPER VERTICAL SOUNDER)
VISSR (VISIBLE INFRARED SPIN SCAN RAD.)

Data Centers

Goddard Institute for Space Studies (GISS)

Global Tropical Cloudiness from Satellite Observations between 30N and 30S (U Hawaii)

Coverage Dates: 1965-02-01 to 1973-07-31

Source/Spacecraft

ESSA
TIROS-N

Data Centers

University of Hawaii (UH)

Gridded Atmospheric and Oceanic Data

Coverage Dates: 1974-06-01 to Present

Source/Spacecraft

GROUND STATIONS
RADIOSONDE STATIONS
SHIP/BUOYS

Data Centers

National Climate Data Center (NCDC), NOAA

Gridded Data Based on the Fleet Numerical Oceanography Center (FNOC) 12-Hour Forecasts

Coverage Dates: 1979-01-01 to 1987-01-01

Data Centers

National Center for Atmospheric Research (NCAR)
NASA Climate Data System (NCDS)

Hawaii-Tahiti Norpax

Coverage Dates: 1973-01-01 to 1980-12-31

Source/Spacecraft

GROUND STATIONS
SHIP/BUOYS

Data Centers

National Climate Data Center (NCDC), NOAA

Historical Climate Series 2-1, 2-2, 2-3, (Historical Indexes)

Coverage Dates: 1800-01-01 to 1984-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climate Data Center (NCDC), NASA

Historical Climatology Series: 1-1, Cooperstown, NY; 1-2, Yellowstone, WY; and 1-3, Southeastern Iowa, and the Climatic Guide for Six U.S. Cities (Climatograph)

Coverage Dates: 1817-01-01 to 1979-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climate Data Center (NCDC), NOAA

Index of Original Surface Weather Records (by State)

Coverage Dates: 1870-01-01 to 1981-12-31

Source/Spacecraft

GROUND STATIONS

Sensor/Instrument

RADAR

Data Centers

National Climate Data Center (NCDC), NOAA

Land Surface Synoptic

Coverage Dates: 1967-01-01 to 1980-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climate Data Center (NCDC), NOAA

Marine Coastal Weather Log

Coverage Dates: 1948-07-01 to Present

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climate Data Center (NCDC), NOAA

Mariner 4, 6, 7, 9 and 10 Imagery at the National Space Science Data Center

Coverage Dates: 1965-07-14 to 1975-03-17

Source/Spacecraft

MARINER-4

MARINER-6

MARINER-7

MARINER-9

MARINER-10

Sensor/Instrument

TV CAMERA (TELEVISION CAMERA)

Data Centers

National Space Science Data Center (NSSDC), NOAA

Mars Cloud Catalog

Coverage Dates: 1972-01-01 to 1980-08-15

Source/Spacecraft

MR9

V01 (VIKING ORBITER-1)

V02 (VIKING ORBITER-2)

Sensor/Instrument

ISS (IMAGING SCIENCE SUBSYSTEM)

VISA (VISUAL IMAGING SUBSYSTEM)

VISB (VISUAL IMAGING SUBSYSTEM)

Data Centers

Planetary Data System (PDS)

Max Planck Institute Heat Fluxes

Coverage Dates: 1950-01-01 to 1979-12-31

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

NASA Climate Data Systems (NCDS)

Meteorological and Oceanographical Data from the First GARP Global Experiment (FGGE)

Coverage Dates: 1978-12-01 to 1979-11-30

Source/Spacecraft

AIRCRAFT

BALLOONS

GMS

GOES-2

GROUND STATIONS

METEOSAT

NIMBUS-7

NOAA-5

NOAA-6

RADIOSONDE

SHIP/BUOYS

TIROS-N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

CURRENT METERS

DROPSONDE

ERB (EARTH RAD. BUDGET INSTRUMENTS)

LIMS (LIMB INFRARED MONITOR)

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

TOVS (TIROS OPER VERTICAL SOUNDER)

VTPR (VERTICAL TEMP PROFILE RAD.)

XBT (BATHYTHERMOGRAPHS)

Data Centers

National Center for Atmospheric Research (NCAR)

NASA Climate Data System (NCDS)

National Climate Data Center (NCDC), NOAA

National Oceanographic Data Center, NOAA

Miscellaneous Publications*Source/Spacecraft*

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climate Data Center (NCDC), NOAA

NASA Global Atmospheric Sampling Program (GASP)*Coverage Dates:* 1972-01-01 to 1983-12-31*Source/Spacecraft*

AIRCRAFT

Data Centers

National Climate Data Center (NCDC), NOAA

N-Summary*Source/Spacecraft*

GROUND STATION

RADIOSONDE STATIONS

Data Centers

National Climate Data Center (NCDC), NOAA

NOAA Atmospheric Handbook Data Tables*Coverage Dates:* 1896-01-01 to 1980-12-31*Data Centers*

National Climate Data Center (NCDC), NOAA

National Geophysical Data Center (NGDC)

North America/Northern Hemisphere Surface Charts*Coverage Dates:* 1942-03-01 to Present*Source/Spacecraft*

GROUND STATIONS

SHIP BUOYS

Data Centers

National Climate Data Center (NCDC), NOAA

Original Monthly Record of Observations WB-1001*Coverage Dates:* 1872-01-01 to 1947-01-01*Source/Spacecraft*

GROUND STATIONS

Data Centers

National Climate Data Center (NCDC), NOAA

Pacific Ocean Cloudiness From Satellite Observations*Coverage Dates:* 1965-02-01 to 1978-02-28*Source/Spacecraft*

ESSA

TIROS-N

Data Centers

University of Hawaii (UH)

Preliminary and Local Climatological Data (City)

Coverage Dates: 1939-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climate Data Center (NCDC), NOAA

Profile and Total Ozone and Reflectivity Data from NIMBUS-7 SBUV (HDSBUV, CPOZ,ZMT-S, PSC)

Coverage Dates: 1978-10-30 to Present

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

SBUV (SOLAR BACKSCATTER UV SPECTRO)

Data Centers

NASA Climate Data System (NCDS)

Radar Weather Observations Summary Charts, Plan Position Indicator Scope

Coverage Dates: 1950-01-01 to Present

Sensor/Instrument

RADAR

Data Centers

National Climate Data Center (NCDC), NOAA

Regional Cloud and Radiance Data from First ISCCP Regional Experiment (FIRE)

Coverage Dates: 1986-04-01 to Present

Source/Spacecraft

DMSP

ERBS

GOES-6

GOES-7

LANDSAT 5

NOAA-9

NOAA-10

SPOT

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

ERBE (EARTH RAD. BUDGET INSTRUMENTS)

SAGE (STRATOSPHERIC AEROSOL GAS EXPER)

TM (THEMATIC MAPPER)

TOVS (TIROS OPER VERTICAL SOUNDER)

VAS (VISSR ATMOSPHERIC SOUNDER)

VISSR (VISIBLE INFRARED SPIN SCAN RAD.)

Data Centers

National Climatic Data Center (NCDC), NOAA

NASA Climate Data System (NCDS)

Revised Uniform Standard Summary Weather Observations (RUSSWO) and the Summary of Meteorological Observations, Surface (SMOS)

Coverage Dates: 1940-01-01 to Present

Source Spacecraft

GROUND STATIONS

Data Centers

National Climate Data Center (NCDC), NOAA

SOLDAY-Daily Solar Radiation and Meteorological Parameters

Coverage Dates: 1952-07-01 to 1976-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climate Data Center (NCDC), NOAA

SOLMET Hourly Solar Radiation Plus Surface Meteorological Observations

Coverage Dates: 1952-01-01 to 1985-10-31

Source/Spacecrafts

GROUND STATIONS

Sensor/Instrument

PYRANOMETER

PYRHELIOMETER

Data Centers

National Climate Data Center (NCDC), NOAA

Summary of Synoptic Meteorological Observations for Great Lake Areas

Coverage Dates: 1960-01-01 to 1973-12-31

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climate Data Center (NCDC), NOAA

Surface Airways Hourly

Coverage Dates: 1930-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climate Data Center (NCDC), NOAA

NASA Climate Data System (NCDS)

Surface/Constant Pressure Prognostic Charts

Data Centers

National Climate Data Center (NCDC), NOAA

Surface Marine Observations, Marine Atlas Data, Marine Climatological Summaries, Coastal Marine Area Summary, Marine Climatic Atlas

Coverage Dates: 1800-01-01 to Present

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Space Science Data Center (NSSDC), NASA

National Climate Data Center (NCDC), NOAA

Synoptic Weather Maps, Daily Series

Coverage Dates: 1899-01-01 to 1978-12-31

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

RAWINSONDE STATIONS

Data Centers

National Climate Data Center (NCDC), NOAA

Test Reference Year (TRY)

Coverage Dates: 1948-01-01 to 1975-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climate Data Center (NCDC), NOAA

The Genesis of Atlantic Lows Experiment (GALE), on CDROM

Coverage Dates: 1986-01-15 to 1986-03-15

Source/Spacecraft

AIRCRAFT

GROUND STATIONS

NOAA-9

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

GALE, ERICA Data Center, Drexel University (GDCEDC)

NASA Climate Data System (NCDS)

University of Washington, Seattle (UWA)

Typical Meteorological Year

Coverage Dates: 1953-01-01 to 1975-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climate Data Center (NCDC), NOAA

Uncorrected Radiance Data (RUT-T) from NIMBUS-7 TOMS

Coverage Dates: 1978-10-31 to Present

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

TOMS (TOTAL OZONE MAPPING SPECT)

Data Centers

National Space Science (NSSDC), NASA

U.S. Air Force Air Weather Service (AWS) and U.S. Navy Climatological Summary

Coverage Dates: 1940-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climate Data Center (NCDC), NOAA

Viking Orbiter and Lander Imagery Available from NSSDC

Coverage Dates: 1976-04-12 to 1982-11-05

Source/Spacecraft

VL1 (VIKING LANDER-1)

VO1 (VIKING ORBITER-1)

Sensor/Instrument

IMAGING SYSTEM (VIKING IMAGING SYSTEM)

Data Centers

National Space Science Data Center (NSSDC), NASA

Weather Depiction Analysis Chart

Coverage Dates: 1976-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climate Data Center (NCDC), NOAA

Wind-Ceiling-Visibility Data at Selected Airports

Coverage Dates: 1948-01-01 to 1978-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climate Data Center (NCDC), NOAA

World Monthly Surface Station Climatology

Coverage Dates: 1731-01-01 to Present

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Center for Atmospheric Research (NCAR)

NASA Climate Data System (NCDS)

Worldwide Airfield Summaries

Coverage Dates: to 1974-21-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climate Data Center (NCDC), NASA

ATMOSPHERIC DYNAMICS>PRECIPITATION

15 Minute Precipitation Data File for North American Weather Stations

Coverage Dates: 1971-05-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Sensor/Instrument

RAIN GAUGE

Data Centers

National Climatic Data Center (NCDC), NOAA

ACCUDATA Real-Time Weather Data Base from Accu-Weather

Source/Spacecraft

GROUND STATIONS

NOAA GOES

RADIOSONDE STATIONS

RAWINSONDE STATIONS

SHIP/BUOYS

Sensor/Instrument

RADAR

Data Centers

ACCU-WEATHER

African Historical Precipitation Data

Coverage Dates: 1913-01-01 to 1981-01-01

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

AFOS Disseminating Meteorological/Hydrological Data; PIREP, AIRMET, SIGMET, and Other Forecasts/Advisories/Warnings, also SRRS

Coverage Dates: 1983-07-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Sensor/Instrument

RADAR

Data Centers

National Climatic Data Center (NCDC), NOAA

Alaska Glacier Data from the USGS, Fairbanks, Alaska

Coverage Dates: 1961-01-01 to 1988-01-01

Data Centers

Earth Science Data Directory (ESDD), USGS

Annual Climatological Summary

Coverage Dates: 1962-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Automated Meteorological Station (AMS) Data at the Pilot Land Data System

Coverage Dates: 1987-05-15 to 1989-08-27

Source/Spacecraft

COE DCP (AUTOMATED METEOROLOGICAL STA.)

Sensor/Instrument

PAM (PORTABLE AUTOMATED MESONET)

Data Centers

Pilot Land Data System (PLDS), NASA

Climat Atlas

Coverage Dates: 1930-01-01 to 1960-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatic Data for Northern Hemisphere Land Areas, 1851-1980, CDIAC NDP-012

Coverage Dates: 1851-01-01 to 1980-01-01

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE

Climatic Study of the Near Coastal Zone

Coverage Dates: 1854-01-01 to 1986-06-30

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatology of the U.S. Nos. 10, 11, 86, Climatic Summary of the U.S. (1800-1060)

Coverage Dates: 1800-01-01 to 1960-01-01

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatology of the U.S. No. 20 - Selected Weather Observing Regions (Cities)

Coverage Dates: 1951-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatology of the U.S. Nos. 20, 69; Climate of Cities and States

Coverage Dates: 1893-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatology of the U.S. No. 60 - State Weather Observing Regions

Coverage Dates: 1941-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatology of the U.S. Nos. 81, 84, 85; Daily, Monthly, and Divisional, Normals of Temperature, Precipitation, and Heating and Cooling Degree Data Including Su

Coverage Dates: 1921-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatology on the U.S. No. 82, Summary of Hourly Observations

Coverage Dates: 1949-01-01 to 1960-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatology of the U.S. No. 84 Daily Normals - Temperature and Precipitation

Coverage Dates: 1931-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatology of the U.S. No. 85 Divisional Normals of Temperature and Precipitation

Coverage Dates: 1931-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatology of the U.S. No. 90; Airport Climatological Summary

Coverage Dates: 1965-01-01 to 1974-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Centers (NCDC), NOAA

Climatological Data for Amundsen-Scott, Antarctica

Coverage Dates: 1957-01-01 to 1975-12-31

Source/Spacecraft

GROUND STATION

RADIOSONDE STATIONS

RAWINSONDE STATIONS

Data Centers

National Climatic Data Centers (NCDC), NOAA

Climatological Data - Daily, Monthly, Seasonal and Annual Data by Drainage Basin

Coverage Dates: 1895-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatological Data National Summary

Coverage Dates: 1950-01-01 to 1980-12-31

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

RAWINSONDE STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatological Record Book

Coverage Dates: 1871-01-01 to 1970-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Composite Moisture Index Chart

Coverage Dates: 1962-01-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Cooperative Summary of the Month (TD-3220) - Summary of Weather Observations from Cooperative Weather Stations

Coverage Dates: 1876-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Daily Cooperative/First Order Summary of the Day and Month, and Summary of the Day Form 5670

Coverage Dates: 1850-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

EarthInfo Inc. (EII)

National Climatic Data Center (NCDC), NOAA

Daily Means and Extreme of Temperature, Precipitation and Snowfall

Coverage Dates: 1948-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Daily, Monthly and Annual Normals of Temperature, Precipitation and Heating/Cooling Degree Days for North America

Coverage Dates: 1931-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Daily Normals (TD-9641) - Normal Maximum and Minimum Temperature for U.S. and its Protectorates

Coverage Dates: 1931-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Daily Weather Maps--Weekly

Coverage Dates: 1899-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Daily Weather Observations - Daily Cooperative Data (TD-3200)

Coverage Dates: 1850-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Digitized Isopleths of the World--Volume IX, North Atlantic Atlas Contours--Volume 1

Coverage Dates: 1850-01-01 to 1970-12-31

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Experiment on Rapidly Intensifying Cyclones Over the Atlantic (ERICA) Field Study, on CD-ROM

Coverage Dates: 1988-12-01 to 1989-02-26

Source/Spacecraft

AIRCRAFT
GOES-6
GROUND STATIONS
RADIOSONDE STATIONS
SHIP/BUOYS

Data Centers

GALE, ERICA Data Center, Drexel University (GECEDC)
NASA Climate Data System (NCDS)

GARP Atlantic Tropical Experiment (GATE)

Coverage Dates: 1974-06-17 to 1974-09-23

Source/Spacecraft

AIRCRAFT
GROUND STATIONS
RADIOSONDE STATIONS
SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Global Atmospheric Background Monitoring (BAPMON)/Turbidity Data

Coverage Dates: 1971-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Global Oceanic Rainfall Atlas - from NIMBUS-5 ESMR

Coverage Dates: 1972-11-12 to 1975-02-28

Source/Spacecraft

NIMBUS-5

Sensor/Instrument

ESMR (ELECT. SCANNING M/WAVE RAD)

Data Centers

National Space Science Data Center (NSSDC), NASA

Global Precipitation Climatology Project (GPCP) Precipitation Estimates

Coverage Dates: 1986-01-01 to 1989-12-31

Source/Spacecraft

GMS
METEOSAT
NOAA GOES
NOAA POES

Sensor/Instrument

VAS (VISSR ATMOSPHERIC SOUNDER)

Data Centers

NASA Climate Data System (NCDS)

Global Summary of the Day (TD-9618) Daily Weather from NCDC

Coverage Dates: 1977-10-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Global Surface Boundary State from U of Illinois - SST, Sea Ice Concentration and Snow Cover

Coverage Dates: 1972-01-01 to 1986-01-01

Data Centers

Earth Science Data Directory (ESDD), USGS

Gridded Atmospheric and Oceanic Data

Coverage Dates: 1974-06-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Gridded Data Based on the Fleet Numerical Oceanography Center (FNO) 12-Hour Forecasts

Coverage Dates: 1979-01-01 to 1987-01-01

Data Centers

National Center for Atmospheric Research (NCAR)

NASA Climate Data System (NCDS)

Hawaii-Tahiti Norpax

Coverage Dates: 1973-01-01 to 1980-12-31

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Historical Climate Series 2-1, 2-2, 2-3 (Historical Indexes)

Coverage Dates: 1800-01-01 to 1984-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Historical Climatology Series 1-1; Cooperstown, NY; 1-2, Yellowstone, WY; and 1-3, Southeastern Iowa, and the Climatic Guide for Six U.S. Cities (Climatology)

Coverage Dates: 1817-01-01 to 1979-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Historical Climatology Series 4-1; Areal Weighted Data

Coverage Dates: 1895-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Historical Climatology Series 6-1; Statewide Average Climatic History

Coverage Dates: 1880-01-01 to 1982-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Hourly, 15-Minute, and Observed Daily Precipitation Data/Charts

Coverage Dates: 1948-08-01 to Present

Source/Spacecraft

GROUND STATIONS

Sensor/Instrument

RAIN GAUGES

Data Centers

EarthInfo Inc. (EII)

National Climatic Data Center (NCDC), NOAA

Hydrologic Bulletins

Data Centers

National Climatic Data Center (NCDC), NOAA

Index of Original Surface Weather Records (by State)

Coverage Dates: 1890-01-01 to 1981-12-31

Source/Spacecraft

GROUND STATIONS

Sensor/Instrument

RADAR

Data Centers

National Climatic Data Center (NCDC), NOAA

Land Surface Synoptic

Coverage Dates: 1967-01-01 to 1980-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Max Planck Institute Heat Fluxes

Coverage Dates: 1950-01-01 to 1979-12-31

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climate Data System (NCDS)

Meteorological and Oceanographical Data from the First GARP Global Experiment (FGGE)

Coverage Dates: 1978-12-01 to 1979-11-30

Source/Spacecraft

AIRCRAFT
BALLOONS
SHIP/BUOYS
GMS
GOES-2
GROUND STATIONS
METEOSAT
NIMBUS-7
NOAA-5
NOAA-6
SHIP/BUOYS
TIROS-N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)
DROPSONDE
ERB (EARTH RAD. BUDGET INSTRUMENTS)
LIMS (LIMB INFRARED MONITOR)
SMMR (SCAN MULTICHANNEL M/WAVE RAD.)
TOVS (TIROS OPER VERTICAL SOUNDER)
VTPR (VERTICAL TEMP PROFILE RAD.)
XBT (BATHYTHERMOGRAPH)

Data Centers

National Center for Atmospheric Research (NCAR)
NASA Climate Data System (NCDS)

Miscellaneous Publications

Source/Spacecraft

GROUND STATIONS
SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Mixing Height Studies

Coverage Dates: 1960-01-01 to 1964-12-31

Source/Spacecraft

GROUND STATIONS
RADIOSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Monthly Average Temperature and Precipitation, Potential Evaporation and Moisture Index

Coverage Dates: 1941-01-01 to 1970-01-01

Source/Spacecraft

WEATHER STATIONS (GROUND STATIONS)

Data Centers

National Technical Information Service (NTIS)

Monthly Normals of Temperature and Precipitation (TD-9641) for North America

Coverage Dates: 1931-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Monthly and Annual North American Comparative Climatic Data

Coverage Dates: 1941-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Monthly Climatic Data for the World, Climates of the World

Coverage Dates: 1948-05-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

National Climate Information Disc--Volume I, on CD-ROM

Coverage Dates: 1895-01-01 to 1989-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Naval Weather Service Airfield Summaries

Coverage Dates: 1903-01-01 to Present

Data Centers

Army Engineers Topographic Laboratories (AETL)

NCAR Surface/Upper Air World Weather Records

Coverage Dates: 1741-01-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

NMC Global GTS Upper Air, Aircraft, Satellite Winds, Surface Land/Marine, Radiosonde Summary, and Thermodynamic Radiosonde

Coverage Dates: 1973-01-01 to Present

Source/Spacecraft

RADIOSONDE STATIONS

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

N-Summary*Source/Spacecraft*

GROUND STATIONS

RADIOSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

NOAA Data Buoy Center (NDBC) Buoy Observations*Coverage Dates:* 1972-10-01 to Present*Source/Spacecraft*

SHIP/BUOYS

Data Centers

National Climate Data Center (NCDC), NOAA

North American/Northern Hemisphere Surface Charts*Coverage Dates:* 1942-03-01 to Present*Source/Spacecraft*

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

North American Observational Data for July-December 1987 on CD-ROM*Coverage Dates:* 1948-01-01 to 1987-12-31*Source/Spacecraft*

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

University of Washington, Seattle (UWA)

North American Station Normals (TD-9641) - Heating and Cooling Degree Days by Station*Coverage Dates:* 1931-01-01 to Present*Source/Spacecraft*

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Observations of Tropospheric Trace Gases and Meteorology in Rural Virginia Using an Unattended Monitoring System*Coverage Dates:* 1988-10-12 to 1989-10-22*Source/Spacecraft*

GROUND STATIONS

Data Centers

University of Maryland (UMD)

Observed Snow Cover Charts*Coverage Dates:* 1966-03-01 to Present*Source/Spacecraft*

AIRCRAFT

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Oceanographic Data of Alaska from U AK- Fairbanks, Inst. of Marine Science

Coverage Dates: 1964-01-01 to Present

Data Centers

University of Alaska at Fairbanks

Original Monthly Record of Observations WB-1001

Coverage Dates: 1872-01-01 to 1947-01-01

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Palmer Drought Tapes and Crop Moisture Index Maps

Coverage Dates: 1931-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Post 1976 Hourly Solar Radiation and Meteorological Data (TD-9736)

Coverage Dates: 1977-01-01 to 1980-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Precipitation Data for the Hawaiian Islands

Coverage Dates: 1975-12-31 to Present

Source/Spacecraft

CLIMATOLOGICAL STATIONS (GROUND STATIONS)

Data Centers

University of Hawaii (UH)

Precipitation Frequency of the Easter, Central and Western U.S.

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Preliminary and Local Climatological Data (City)

Coverage Dates: 1939-01-01 to Present

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climate Data Center (NCDC), NOAA

RADAP-2 Data By Oklahoma Climatological Survey

Coverage Dates: 1985-04-01 to Present

Sensor/Instrument

RADAR

Data Centers

National Climatic Data Center (NCDC), NOAA

Radar Weather Observations, Summary Charts, Plan Position Indicator Scope

Coverage Dates: 1950-01-01 to Present

Sensor/Instrument

RADAR

Data Centers

National Climatic Data Center (NCDC), NOAA

Rainfall Frequency Atlas of the United States: U.S. Weather Bureau Technical Paper No. 40

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Record of Climatological Observations (COOP)

Coverage Dates: 1800-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Revised Uniform Standard Summary Weather Observations (RUSSWO) and the Summary of Meteorological Observations, Surface (SMOS)

Coverage Dates: 1940-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

SEASAT Scanning Multichannel Microwave Radiometer Original Sensor and Geophysical Data Records: Sea Surface Temperature, Integrated Water Vapor Atmos. Liquid

Coverage Dates: 1978-07-07 to 1978-10-10

Source/Spacecraft

SEASAT

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

NASA Ocean Data System (NODS)

SEASAT SMMR Sea Surface Temperature, Wind Speed, Water Vapor, Atmospheric Liquid Water and Rain Rate (Level 2.5)

Coverage Dates: 1978-07-07 to 1978-10-10

Source/Spacecraft

SEASAT

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

National Oceanographic Data Center (NODC), NOAA

National Climatic Data Center (NCDC), NOAA

NASA Ocean Data System (NODS)

Short Duration Maximum Precipitation, Hourly Precipitation Data Maxes and Hourly Precipitation Data (State)

Coverage Dates: 1940-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Sensor/Instrument

RAIN GAUGES

Data Centers

National Climatic Data Center (NCDC), NOAA

SOLDAY Daily Solar Radiation and Meteorological Parameters (TD-9739)

Coverage Dates: 1952-01-01 to 1976-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Storage Gage Precipitation Data

Coverage Dates: 1955-01-01 to 1976-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Storm Data

Coverage Dates: 1959-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Summary 6-Hourly Observations

Coverage Dates: 1984-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Summary of the Day - 1st Order Weather Summaries from NCDC (TD-3210)

Coverage Dates: 1876-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Summary of the Day/Month Observations (Global CEAS)

Coverage Dates: 1977-10-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Summary of Synoptic Meteorological Observations for Great Lake Areas

Coverage Dates: 1960-01-01 to 1973-12-31

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Centers (NCDC), NOAA

Surface/Constant Pressure Prognostic Charts

Data Centers

National Climatic Data Center (NCDC), NOAA

Surface Marine Observations, Marine Atlas Data, Marine Climatological Summaries, Coastal Marine Area Summary, Marine Climatic Atlas

Coverage Dates: 1800-01-01 to Present

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Synoptic Weather Maps, Daily Series

Coverage Dates: 1899-01-01 to 1978-12-31

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Temperature and Precipitation Normals (TD-9640) for North American Climatic Divisions

Coverage Dates: 1931-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

The Alpine Experiment (ALPEX)

Coverage Dates: 1981-09-01 to 1982-04-30

Source/Spacecraft

AIRCRAFT

DROPWINDSONDES

Data Centers

National Climatic Data Center (NCDC), NOAA

The Genesis of Atlantic Lows Experiment (GALE), on CD-ROM

Coverage Dates: 1986-01-15 to 1986-03-15

Source/Spacecraft

AIRCRAFT
GROUND STATIONS
NOAA-9
RADIOSONDE STATIONS
SHIP/BUOYS

Data Centers

GALE, ERICA Data Center, Drexel University (GDCEDC)
NASA Climate Data System (NCDS)
University of Washington, Seattle (UWA)

Time Bias Corrected Divisional Temperature/Precipitation Drought Index, and Temperature/Precipitation Normals for North American Climatic Divisions

Coverage Dates: 1895-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Center

National Climatic Data Center (NCDC), NOAA

Triple Register Charts

Coverage Dates: 1872-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Tropical Strip Surface Charts

Coverage Dates: 1969-03-01 to Present

Source/Spacecraft

GROUND STATIONS
SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

United States Historical Climatology Network (HCN) Serial Temperature And Precipitation Data, CDIAC NDP-019

Coverage Dates: 1780-01-01 to 1984-01-01

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE

U.S. Air Force Weather Service (AWS) and U.S. Navy Climatological Summary

Coverage Dates: 1940-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Weather Bureau Technical Papers

Data Centers

National Climatic Data Center (NCDC), NOAA

Weather Depiction Analysis Chart

Coverage Dates: 1976-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Weekly Weather and Crop Bulletin

Coverage Dates: 1924-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Weighting Rain Gage Recorder Charts

Coverage Dates: 1895-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

World Monthly Surface Station Climatology

Coverage Dates: 1731-01-01 to Present

Source/Spacecraft

GROUND STATIONS

SHIP/BOUYS

Data Centers

National Center for Atmospheric Research (NCAR)

NASA Climate Data System (NCDS)

World Monthly Weather Records from 1741 to Present

Coverage Dates: 1741-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

World Monthly Surface Station Climatology

Coverage Dates: 1731-01-01 to Present

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Center for Atmospheric Research (NCAR)

NASA Climate Data System (NCDS)

World Weather Records

Coverage Dates: 1800-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

World WeatherDisc, Climate Data for the Planet Earth

Coverage Dates: 1700-01-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

WeatherDisc Associates, Inc. (WDAI)

Worldwide Airfield Summaries

Coverage Dates: to 1974-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

ATMOSPHERIC DYNAMICS>PRESSURE

ACCUDATA Real-Time Weather Data Base from ACCU-Weather

Source/Spacecraft

GROUND STATIONS
NOAA GOES
RADIOSONDE STATIONS
RAWINSONDE STATIONS
SHIP/BUOYS

Sensor/Instrument

RADAR

Data Centers

ACCU-WEATHER

Adiabatic Charts (WRA -31)

Coverage Dates: 1952-01-01 to Present

Source/Spacecraft

RADIOSONDE STATIONS
RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

AFOS Disseminating Meteorological/Hydrological Data: PIREP, AIRMET, SIGMET, and Other Forecasts/Advisories/Warnings, also SRRS

Coverage Dates: 1983-07-01 to Present

Source/Spacecraft

GROUND STATIONS
RADIOSONDE STATIONS
SHIP/BUOYS

Sensor/Instrument

RADAR

Data Centers

National Climatic Data Center (NCDC), NOAA

Antarctic Surface Temperature and Pressure Data, CDIAC NDP-032

Coverage Dates: 1903-01-01 to 1988-01-01

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE

Arctic Ocean Drifting Buoy Data

Coverage Dates: 1979-01-19 to Present

Source/Spacecraft

DRIFTING BUOY (SHIP/BOUYS)

Sensor/Instrument

BAROMETER (PRESSURE GAUGES)
THERMOMETER (THERMOMETER)

Data Centers

National Snow and Ice Data Center (NSIDC)

ARL BAT Model Wind/Temperature Input

Coverage Dates: 1975-01-01 to Present

Source/Spacecraft

RADIOSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Atmospheric Data from the NOAA Series Satellites - TOVS Sounding Product

Coverage Dates: 1979-01-01 to Present

Source/Spacecraft

NOAA POES

Sensor/Instrument

TOVS (TIROS OPER VERTICAL SOUNDER)

Data Centers

Satellite Data Services Division (SDSD), NOAA

National Center for Atmospheric Research (NCAR)

Barograph Charts

Coverage Dates: 1889-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatic Atlas

Coverage Dates: 1930-01-01 to 1960-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatic Diagnostics Database

Coverage Dates: 1978-10-01 to 1983-09-30

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatological Data for Amundsen-Scott, Antarctica

Coverage Dates: 1957-01-01 to 1975-12-31

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatological Data for Arctic Stations

Coverage Dates: 1957-07-01 to 1971-04-01

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatological Data National Summary

Coverage Dates: 1950-01-01 to 1980-12-31

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

RAWINSONDE STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatological Record Book

Coverage Dates: 1871-01-01 to 1970-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Composite Moisture Index Chart

Coverage Dates: 1962-01-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Comprehensive Ocean-Atmosphere Data Set (COADS) Character-Formatted Long Marine Reports

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS

Data Centers

National Climatic Data Center (NCDC), NOAA

Comprehensive Ocean-Atmosphere Data Set (COADS) Compressed Marine Reports

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Center for Atmospheric Research (NCAR)

Comprehensive Ocean-Atmosphere Data Set (COADS) Decadal Summaries

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Center for Atmospheric Research (NCAR)

Comprehensive Ocean-Atmosphere Data Set (COADS) Long Marine Reports

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Center for Atmospheric Research (NCAR)

Comprehensive Ocean-Atmosphere Data Set (COADS) Monthly Summaries

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Center for Atmospheric Research (NCAR)

Comprehensive Ocean-Atmosphere Data Set (COADS) Monthly Summary Trimmed Groups

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Center for Atmospheric Research (NCAR)

Comprehensive Ocean-Atmosphere Data Set (COADS) Monthly Summary Untrimmed Groups

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Center for Atmospheric Research (NCAR)

Daily Cooperative/First Order Summary of the Day and Month, and Summary of the Day Form 5670

Coverage Dates: 1850-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

EarthInfo Inc. (EII)

National Climatic Data Center (NCDC), NOAA

Daily Weather Maps-Weekly

Coverage Dates: 1899-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Earthnet Programme Office NOAA-TIROS AVHRR and TOVS data

Coverage Dates: 1978-11-06 to Present

Source/Spacecraft

NOAA-10
NOAA-11
NOAA-6
NOAA-7
NOAA-8
NOAA-9
TIROS-N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

Earthnet Programme Office (EPO), ESA

Experiment on Radially Intensifying Cyclones Over the Atlantic (ERICA) Field Study, on CDROM

Coverage Dates: 1988-12-01 to 1989-02-26

Source/Spacecraft

AIRCRAFT
GOES-6
GROUND STATIONS
RADIOSONDE STATIONS
SHIP/BUOYS

Data Centers

GALE, ERIC Data Center, Drexel University (GDCEDC)
NASA Climate Data Systems (NCDS)

Fleet Numerical Oceanography Center's Analyses

Coverage Dates: 1979-01-01 to Present

Data Centers

National Center for Atmospheric Research (NCAR)
NASA Climate Data System (NCDS)

FNOC Gridded Atmospheric and Oceanic Data available from NCDC

Coverage Dates: 1974-06-01 to Present

Data Centers

National Climatic Data Center (NCDC), NOAA

GARP Atlantic Tropical Experiment (GATE)

Coverage Dates: 1974-06-17 to 1974-09-23

Source/Spacecraft

AIRCRAFT
GROUND STATIONS
RADIOSONDE
SHIP/BUOYS
SMS

Data Centers

National Climatic Data Center (NCDC), NOAA

GFDL Atmospheric Circulation Tape Library

Coverage Dates: 1958-05-01 to 1973-04-30

Source/Spacecraft

GROUND STATIONS
RADIOSONDE STATIONS
RAWINSONDE STATIONS
SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Global Atmospheric Background Monitoring (BAPMON)/Turbidity Data

Coverage Dates: 1971-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Global Cloud Data from the International Satellite Cloud Climatology Project (ISCCP-C)

Coverage Dates: 1983-07-01 to Present

Source/Spacecraft

GMS-1
GMS-2
GMS-3
GOES-5
GOES-6
METEOSAT
NOAA-10
NOAA-7
NOAA-8
NOAA-9

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)
MIR (MULTISPECTRAL IMAGING RAD.)
TOVS (TIROS OPER VERTICAL SOUNDER)
VAS (VISSR ATMOSPHERIC SOUNDER)
VISSR (VISIBLE INFRARED SPIN SCAN RAD.)

Data Centers

National Climatic Data Center (NCDC), NOAA
NASA Climate Data System (NCDS)

Gridded Atmospheric and Oceanic Data

Coverage Dates: 1974-06-01 to Present

Source/Spacecraft

GROUND STATIONS
RADIOSONDE STATIONS
SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Gridded Data Based on the Fleet Numerical Oceanography Center (FNOC) 12-Hour Forecasts

Coverage Dates: 1979-01-01 to 1987-01-01

Data Centers

National Center for Atmospheric Research (NCAR)

NASA Climate Data System (NCDS)

Hawaii-Tahiti Norpax

Coverage Dates: 1973-01-01 to 1980-12-31

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Historical Climate Series: 1-1, Cooperstown, NY: 1-2, Yellowstone, WY: and 1-3, Southeastern IOWA, and the Climatic Guide for Six U.S. Cities (Climatograph)

Coverage Dates: 1817-01-01 to 1979-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Historical Climate Series 2-1, 2-2, 2-3 (Historical Indexes)

Coverage Dates: 1800-01-01 to 1984-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Index of Original Surface Weather Records (by State)

Coverage Dates: 1890-01-01 to 1981-12-31

Source/Spacecraft

GROUND STATIONS

Sensor/Instrument

RADAR

Data Centers

National Climatic Data Center (NCDC), NOAA

Land Surface Synoptic

Coverage Dates: 1967-01-01 to 1980-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Marine Coastal Weather Log

Coverage Dates: 1948-07-01 to Present

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Mean Relative Humidity/Vertical Velocity/Vorticity Charts

Coverage Dates: 1961-05-01 to Present

Source/Spacecraft

RADIOSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Meteorological and Oceanographic Data from the Gulf Offshore Weather Observing Network (GOWON) (F192)

Coverage Dates: 1981-01-01 to 1982-12-31

Source/Spacecraft

OCEAN BASED (OCEAN PLATFORMS)

Data Centers

National Oceanic Data Center (NODC), NOAA

Meteorological and Oceanographical Data from the First GARP Global Experiment (FGGE)

Coverage Dates: 1978-12-01 to 1979-11-30

Source/Spacecraft

AIRCRAFT

BALLON

SHIP/BUOYS

GMS

GOES-2

GROUND STATIONS

METEOSAT

NIMBUS-7

NOAA-5

NOAA-6

RADIOSONDE STATIONS

SHIP/BUOYS

TIROS-N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

CURRENT METERS

DROPSONDE

ERB (EARTH RAD. BUDGET INSTRUMENTS)

LIMS (LIMB INFRARED MONITOR)

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

TOVS (TIROS OPER VERTICAL SOUNDER)

VTPR (VERTICAL TEMP PROFILE RAD.)

Data Centers

National Center for Atmospheric Research (NCAR)

NASA Climate Data System (NCDS)

Miscellaneous NSSDC Atmospheric Data from Earlier Spacecraft

Coverage Dates: 1963-04-01 to 1984-09-30

Source/Spacecraft

EXPLORER 19
EXPLORER 24
EXPLORER 39
AE-D
AE-E
AEROS
AEROS
DASH-2
EXPLORER 9
MIDAS 2
OGO 2
OGO 4
OGO 6
OV1-15

Sensor/Instrument

ACCELEROMETERS (TRIAxIAL ACCELEROMETER)
APPARATUS (SATEL. DRAG TRACKING APPARATUS)
EB SPECTROMETER (EBERT-FASTIE SPECTROMETER)
EUV SPECTROMETER (EXTREME UV SPECTROMETER)
FPI (FABRY-PEROT INTERFEROMETER)
MESA (MINIATURE ELECTROSTATIC ANALYSE)
MONITORS (AEROSOL MONITOR)
MS (MASS SPECTROMETER (NEUTRAL GAS))
NATE (NEUTRAL ATMOSPHERE TEMPERATURE)
OSS (OPEN SOURCE NEUTRAL MASS SPECTR)
OZONE DETECTO (UV OZONE DETECTOR)
PG (IONIZATION PRESSURE GAUGES)
PHOTOMETERS (LYMAN-ALPHA PHOTOMETER)
RAD GAUGE (RAM ATMOSPHERE DENSITY GAUGE)
RADIOMETERS (INFRARED RADIOMETER)
SENSORS (VIS. NITROGEN DIOXIDE SENSOR)
UVIC (U V ION CHAMBERS)
VAE (VISIBLE AIRGLOW EXPERIMENT)

Data Centers

National Space Science Data Center (NSSDC), NASA
Goddard Space Flight Center (GSFC), NASA

Miscellaneous Publications

Source/Spacecraft

GROUND STATIONS
SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Monthly Climatic Data for the World, Climates of the World

Coverage Dates: 1948-05-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Monthly Mean Pressure Reconstruction for Europe (1780-1980) and North America (1858-1980), CDIAC NDP-025

Coverage Dates: 1780-01-01 to 1980-01-01

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE

NASA Global Atmospheric Sampling Program (GASP)

Coverage Dates: 1972-01-01 to 1983-12-31

Source/Spacecraft

AIRCRAFT

Data Centers

National Climatic Data Center (NCDC), NOAA

National Meteorological Center Hemispheric Meteorology Pepmerge Grid and Analysis

Coverage Dates: 1973-01-01 to Present

Source/Spacecraft

RADIOSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

NCAR Surface/Upper Air World Weather Records

Coverage Dates: 1741-01-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

NCDC U.S. Upper Air, NCDC GTS Upper Air, NCDC GTS AFGWC Upper Air, and Upper Air Monthly Statistics (WARMFLUX)

Coverage Dates: 1946-10-01 to Present

Source/Spacecraft

RADIOSONDE STATIONS

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

NMC Global GTS Upper Air, Aircraft, Satellite Winds, Surface Land/Marine, Radiosonde Summary, and Thermodynamic Radiosonde

Coverage Dates: 1973-01-01 to Present

Source/Spacecraft

RADIOSONDE STATIONS

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

NMC Grid Point, Wind Data

Coverage Dates: 1963-01-01 to Present

Source/Spacecraft

AIRCRAFT

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

NASA Climate Data Systems (NCDS)

North American/Northern Hemisphere Constant Pressure Charts and Summary of Constant Pressure Data (WBAN-33)

Coverage Dates: 1946-01-01 to Present

Source/Spacecraft

RADIOSONDE STATIONS

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

North American/Northern Hemisphere Surface Charts

Coverage Dates: 1942-03-01 to Present

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

North American Observational Data for July-December 1987 on CD-ROM

Coverage Dates: 1948-01-01 to 1987-12-31

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

University of Washington, Seattle (UWA)

NWRF Rawinsonde Global

Coverage Dates: 1963-09-01 to 1970-12-31

Source/Spacecraft

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Observations of Tropospheric Trace Gases and Meteorology In Rural Virginia Using and Unattended Monitoring System

Coverage Dates: 1988-10-12 to 1989-10-22

Source/Spacecraft

GROUND STATIONS

Data Centers

University of Maryland (UMD)

Original Monthly Record or Observations WB-1001

Coverage Dates: 1872-01-01 to 1947-01-01

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Post 1976 Hourly Solar Radiation and Meteorological Data (TD-9736)

Coverage Dates: 1977-01-01 to 1980-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Preliminary and Local Climatological Data (City)

Coverage Dates: 1939-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Revised Uniform Standard Summary Weather Observations (RUSSWO) and the Summary of Meteorological Observations, Surface (SMOS)

Coverage Dates: 1940-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Rocketsonde Observations, High Altitude Meteorological Data

Coverage Dates: 1957-01-01 to Present

Source/Spacecraft

ROCKETSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

World Data Center-A (WDC-A)

Savannah River Experiment

Coverage Dates: 1975-03-03 to 1977-09-20

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

SOLMET Hourly Solar Radiation Plus Surface Meteorological Observations

Coverage Dates: 1952-01-01 to 1985-10-31

Source/Spacecraft

GROUND STATIONS

Sensor/Instruments

PYRANOMETER

PYRHELIOMETER

Data Centers

National Climatic Data Center (NCDC), NOAA

Southern Hemisphere Constant Pressure Charts

Coverage Dates: 1975-10-01 to Present

Data Centers

National Climatic Data Center (NCDC), NOAA

Southern Hemisphere Surface/1000-500mb Thickness Charts

Coverage Dates: 1967-01-01 to Present

Source/Spacecraft

RADIOSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Summary of Synoptic Meteorological Observations for Great Lake Areas

Coverage Dates: 1960-01-01 to 1973-12-31

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Surface Airways Hourly

Coverage Dates: 1930-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

NASA Climate Data System (NCDS)

Surface/Constant Pressure Prognostic Charts

Data Centers

National Climate Data Center (NCDC), NOAA

**Surface Marine Observations, Marine Atlas Data, Marine Climatological Summaries,
Coastal Marine Area Summary, Marine Climatic Atlas**

Coverage Dates: 1800-01-01 to Present

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Synoptic Weather Maps, Daily Series

Coverage Dates: 1899-01-01 to 1978-12-31

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Test Reference Year (TRY)

Coverage Dates: 1948-01-01 to 1975-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

The Alpine Experiment (ALPEX)

Coverage Dates: 1982-09-01 to 1982-04-30

Source/Spacecraft

AIRCRAFT

DROPWINDSONDES

Data Centers

National Climatic Data Center (NCDC), NOAA

The Genesis of Atlantic Lows Experiment (GALE), on CDROM

Coverage Dates: 1986-01-15 to 1986-03-15

Source/Spacecraft

AIRCRAFT

GROUND STATIONS

NOAA-9

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

GALE, ERICA Data Center, Drexel University (GDCEDC)

NASA Climate Data Center (NCDS)

University of Washington, Seattle (UWA)

TIROS Series AVHRR and TOVS HRPT Data and SHARP Product (Level 1B) Earthnet Programme Office Archive

Coverage Dates: 1978-11-06 to Present

Source/Spacecraft

NOAA0-6 (NOAA-6)

NOAA-7 (NOAA-7)

NOAA-8 (NOAA-8)

NOAA-9 (NOAA-9)

NOAA-10 (NOAA-10)

NOAA-11 (NOAA-11)

TIROS-N (TIROS-N)

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

HRPT (HIGH RESOLUTION PICTURE TRANSMI)

TOVS (TIROS OPER VERTICAL SOUNDER)

Data Centers

Earthnet Program Office (EPO), ESA

Tropical Cyclone Storm Tracks/World Wide Consolidated, Hurricane Tropical Storm Bulletin, Mariners Weather Log, and Tropospheric Circulation

Coverage Dates: 1871-01-01 to Present

Source/Spacecraft

AIRCRAFT

GROUND STATIONS

SHIP/BUOYS

Sensor/Instrument

RADAR

Data Centers

National Climatic Data Center (NCDC), NOAA

Tropical Strip Surface Charts

Coverage Dates: 1969-03-01 to Present

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Tropical Strip Upper Air Chart

Coverage Dates: 1975-08-01 to Present

Source/Spacecraft

RADIOSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Typical Meteorological Year

Coverage Dates: 1953-01-01 to 1975-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Upper Air Observations (Rawinsonde)

Coverage Dates: 1952-07-01 to 1978-12-31

Source/Spacecraft

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Upper Air Observations (Rawinsonde) Global Coverage

Coverage Dates: 1971-07-01 to 1978-12-31

Source/Spacecraft

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

U.S. Meteorological Upper-air Observation Data

Coverage Dates: 1948-01-01 to 1986-12-31

Data Centers

National Center for Atmospheric Research (NCAR)

Viking Lander 1 and 2, Mars Meteorology

Coverage Dates: 1976-07-20 to 1982-11-13

Source/Spacecraft

VL1 (VIKING LANDER-1)

VL2 (VIKING LANDER-2)

Sensor/Instrument

VMIS

Data Centers

Planetary Data System (PDS), NASA

Weather Bureau Technical Papers

Data Centers

National Climatic Data Center (NCDC), NOAA

Weather Depiction Analysis Chart

Coverage Dates: 1976-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

World Monthly Surface Station Climatology

Coverage Dates: 1731-01-01 to Present

Source/Spacecraft

GROUND STATIONS

SHIPS/BUOYS

Data Centers

National Center for Atmospheric Research (NCAR)

NASA Climate Data System (NCDS)

World WeatherDisc, Climate Data for the Planet Earth

Coverage Dates: 1700-01-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

WeatherDisc Associates, Inc. (WDAI)

World Weather Records

Coverage Dates: 1800-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Worldwide Airfield Summaries

Coverage Dates: to 1974-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

ATMOSPHERIC DYNAMICS>WINDS

Accudata Real-Time Weather Data Base from Accu-Weather

Source/Spacecraft

GROUND STATIONS
NOAA GOES
RADIOSONDE STATIONS
RAWINSONDE STATIONS
SHIP/BUOYS

Sensor/Instrument

RADAR

Data Centers

ACCU-WEATHER

Adiabatic Charts (WBAN-31)

Coverage Dates: 1952-01-01 to Present

Source/Spacecraft

RADIOSONDE STATIONS
RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

AFOS Disseminating Meteorological/Hydrological Data: PIREP, AIRMET, SIGMET, and Other Forecasts/Advisories/Warnings, also SSRS

Coverage Dates: 1983-07-01 to Present

Source/Spacecraft

GROUND STATIONS
RADIOSONDE STATIONS
SHIP/BUOYS

Sensor/Instrument

RADAR

Data Centers

National Climatic Data Center (NCDC), NOAA

Arctic Ice Dynamics Joint Experiment (AIDJEX) Wind, Current and Camp Position Data from NSIDC

Coverage Dates: 1975-04-11 to 1975-07-31

Source/Spacecraft

GROUND OBSERVATIONS (OBSERVATORIES - SOLAR/GROUND)

Data Centers

National Snow and Ice Data Center (NSIDC)

ARL BAT Model Wind/Temperature Input

Coverage Dates: 1975-01-01 to Present

Source/Spacecraft

RADIOSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Army Wave Information Study--Input

Coverage Dates: 1956-01-01 to 1975-12-31

Data Centers

National Oceanographic and Atmospheric Administration (NOAA)

National Environmental Satellite Data and Information Service (NEDSIS)

National Climatic Data Center (NCDC), NOAA

Atlas et. al. Deallased Surface Wind Vector from the SEASAT Scatterometer

Coverage Dates: 1978-07-07 to 1978-10-10

Source/Spacecraft

SEASAT

Sensor/Instrument

SASS (SEASAT-A SCATTEROMETER SYSTEM)

Data Centers

NASA Ocean Data System (NODS)

Atmospheric Transport and Dispersion (ATAD) Model with NAMER Wind/Temperature Data (TD-9743)

Coverage Dates: 1975-01-01 to Present

Data Centers

National Climatic Data Center (NCDC), NOAA

Automated Meteorological Station Data at the Pilot Land Data System

Coverage Dates: 1987-05-15 to 1987-10-01

Source/Spacecraft

COE DCP (AUTOMATED METEOROLOGICAL STA.)

Sensor/Instrument

PAM (PORTABLE AUTOMATED MESONET)

Data Centers

Pilot Land Data System (PLDS), NASA

Carbon Dioxide Concentrations at Baring Head, New Zealand

Coverage Dates: 1973-01-01 to Present

Sensor/Instrument

CONTINUOUS ANALYZER (CONTINUOUS ANALYZER (CO₂))

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE

Ceiling-Visibility-Wind-Tabulations

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Chelton Gridded Surface Wind Stress Vector from the SEASAT Scatterometer

Coverage Dates: 1978-07-07 to 1978-10-10

Source/Spacecraft

SEASAT

Sensor/Instrument

SASS (SEASAT-A SCATTEROMETER SYSTEM)

Data Centers

NASA Ocean Data System (NODS)

Climatic Atlas

Coverage Dates: 1930-01-01 to 1960-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatic Diagnostics Database

Coverage Dates: 1978-10-01 to 1983-09-30

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatic Study of the Near Coastal Zone

Coverage Dates: 1854-01-01 to 1986-06-30

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatic Summaries for NOAA Data Buoys

Coverage Dates: 1972-01-01 to 1981-01-01

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatology of the U.S. No. 82, Summary of Hourly Observations

Coverage Dates: 1949-01-01 to 1960-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatology of the U.S. No. 90; Airport Climatological Summary

Coverage Dates: 1965-01-01 to 1974-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatological Data - Daily, Monthly, Seasonal and Annual Data by Drainage Basin

Coverage Dates: 1895-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatological Data for Amundsen-Scott, Antarctica

Coverage Dates: 1957-01-01 to 1975-12-31

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatological Data for Arctic Stations

Coverage Dates: 1957-07-01 to 1971-04-01

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatological Data National Summary

Coverage Dates: 1950-01-01 to 1980-12-31

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

RAWINSONDE STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatological Record Book

Coverage Dates: 1871-01-01 to 1970-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Cloud Motion Vectors from Geostationary Operational Environmental Satellites (GOES)

Coverage Dates: 1974-10-01 to Present

Source/Spacecraft

NOAA GOES (NOAA GOES)

Sensor/Instrument

VAS (VISSR ATMOSPHERIC SOUNDER)

VISSR (VISIBLE INFRARED SPIN SCAN RAD.)

Data Centers

Satellite Data Services Division (SDSD), NOAA

Comprehensive Ocean-Atmosphere Data Set (COADS) Compressed Marine Reports

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Center for Atmospheric Research (NCAR)

Comprehensive Ocean-Atmosphere Data Set (COADS) Character-Formatted Long Marine Reports

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS

Data Centers

National Climatic Data Center (NCDC), NOAA

Comprehensive Ocean-Atmosphere Data Set (COADS) Decadal Summaries

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Center for Atmospheric Research (NCAR)

Comprehensive Ocean-Atmosphere Data Set (COADS) Long Marine Reports

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Center for Atmospheric Research (NCAR)

Comprehensive Ocean-Atmosphere Data Set (COADS) Monthly Summaries

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Center for Atmospheric Research (NCAR)

Comprehensive Ocean-Atmosphere Data Set (COADS) Monthly Summary Trimmed Groups

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Center for Atmospheric Research (NCAR)

Comprehensive Ocean-Atmosphere Data Set (COADS) Monthly Summary Untrimmed Groups

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Center for Atmospheric Research (NCAR)

Daily Cooperative/First Order Summary of the Day and Month, and Summary of the Day Form 5670

Coverage Dates: 1850-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

Earthinfo Inc. (EII)

National Climatic Data Center (NCDC), NOAA

Daily Weather Observations - Daily Cooperative Data (TD-3200)

Coverage Dates: 1850-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Derived Wind Data from NOAA/NESDIS Low-Level Cloud Motion Vectors (U Hawaii)

Coverage Dates: 1975-01-01 to Present

Source/Spacecraft

GOES EAST (GOES SERIES)

GOES WEST (GOES SERIES)

Data Centers

University of Hawaii (UH)

Digitized Isopleths of the World--Volume IX, North Atlantic Atlas Contours--Volume 1

Coverage Dates: 1850-01-01 to 1970-12-31

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Engineering Weather Data Manual

Coverage Dates: 1941-01-01 to 1974-01-01

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Experiment on Rapidly Intensifying Cyclones Over the Atlantic (ERICA) Field Study, on CD-ROM

Coverage Dates: 1988-12-01 to 1989-02-26

Source/Spacecraft

AIRCRAFT
GOES-6
GROUND STATIONS
RADIOSONDE STATIONS
SHIP/BUOYS

Data Centers

GALE, ERICA Data Center, Drexel University (GDCEDC)
NASA Climate Data System (NCDS)

Extreme Wind Speeds at 129 Stations in the Contiguous U.S.

Coverage Dates: 1939-01-01 to 1977-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Fleet Numerical Oceanography Center's Analyses

Coverage Dates: 1979-01-01 to Present

Data Centers

National Center for Atmospheric Research (NCAR)
NASA Climate Data System (NCDS)

FNOC Gridded Atmospheric and Oceanic Data available from NCDC

Coverage Dates: 1974-06-01 to Present

Data Centers

National Climatic Data Center (NCDC), NOAA

GARP Atlantic Tropical Experiment (GATE)

Coverage Dates: 1975-06-17 to 1974-09-23

Source/Spacecraft

AIRCRAFT
GROUND STATIONS
RADIOSONDE STATIONS
SHIP/BUOYS
SMS

Data Centers

National Climatic Data Center (NCDC), NOAA

Geosat Altimeter Sea Surface Height and Satellite Height With Respect To the Reference Ellipsoid, Automatic Gain Control and Wind Speed (Level 2.0)

Coverage Dates: 1986-11-08 to Present

Source/Spacecraft

GEOSAT

Sensor/Instrument

ALT (ALTIMETERS/RADAR ALTIMETERS)

Data Centers

National Oceanographic and Atmospheric Administration (NOAA)
National Environmental Satellite Data and Information Service (NESDIS)
National Climatic Data Center (NCDC), NOAA
NASA Ocean Data System (NODS)

GFDL Atmospheric Circulation Tape Library

Coverage Dates: 1958-05-01 to 1973-04-30

Source/Spacecraft

GROUND STATIONS
RADIOSONDE STATIONS
RAWINSONDE STATIONS
SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Global Atmospheric Background Monitoring (BAPMON)/Turbidity Data

Coverage Dates: 1971-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Gridded Atmospheric and Oceanic Data

Coverage Dates: 1974-06-01 to Present

Source/Spacecraft

GROUND STATIONS
RADIOSONDE STATIONS
SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Gridded Data Based on the Fleet Numerical Oceanography Center (FNOC) 12-Hour Forecasts

Coverage Dates: 1979-01-01 to 1987-01-01

Data Centers

National Center for Atmospheric Research (NCAR)
National Climatic Data Center (NCDC), NOAA

Hawaii-Tahiti Norpax

Coverage Dates: 1973-01-01 to 1980-12-31

Source/Spacecraft

GROUND STATIONS
SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Hellerman Wind Stress Data Set

Coverage Dates: 1870-01-01 to 1976-12-31

Source/Spacecraft

SHIP/BUOYS

Data Centers

NASA Climate Data System (NCDS)

Historical Climate Series 2-1, 2-2, 2-3 (Historical Indexes)

Coverage Dates: 1800-01-01 to 1984-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Historical Climatology Series; 1-1, Cooperstown, NY; 1-2, Yellowstone, WY; and 1-3, Southeastern Iowa, and the Climatic Guide for Six U.S. Cities (Climatology)

Coverage Dates: 1817-01-01 to 1979-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Historical Extreme Winds for the U.S. - Atlantic and Gulf of Mexico Coastline, Great Lakes and Adjacent Regions

Coverage Dates: 1872-01-01 to 1979-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

HWM Neutral Wind Model from NSSDC

Data Centers

National Space Science Data Center (NSSDC), NASA

Index of Original Surface Weather Records (by State)

Coverage Dates: 1890-01-01 to 1981-12-31

Source/Spacecraft

GROUND STATIONS

Sensor/Instrument

RADAR

Data Centers

National Climatic Data Center (NCDC), NOAA

Initial Wind Wave Sea Height Chart

Coverage Dates: 1979-01-01 to Present

Data Centers

National Climatic Data Center (NCDC), NOAA

JPL-UCLA-AES Deallased Gridded Surface Wind Vector Data from the SEASAT Scatterometer

Coverage Dates: 1978-09-06 to 1978-09-20

Source/Spacecraft

SEASAT

Sensor/Instrument

SASS (SEASAT-A SCATTEROMETER SYSTEM)

Data Centers

NASA Ocean Data System (NODS)

Land/Ocean Parameters from NIMBUS-7 SMMR (PARM-LO, MAP-LO, and PARMAP)

Coverage Dates: 1978-10-30 to 1988-06-01

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

National Space Science Data Center (NSSDC), NASA

Land Surface Synoptic

Coverage Dates: 1967-01-01 to 1980-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

**Mapped Sea Surface Parameters (MAP-SS & PARM-SS) from NIMBUS-7 SMMR -
Includes SST, Winds, Snow, Ice**

Coverage Dates: 1978-10-30 to 1985-10-25

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

National Space Science Data Center (NSSDC), NASA

Marine Coastal Weather Log

Coverage Dates: 1948-07-01 to Present

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Mars Cloud Catalog

Coverage Dates: 1972-01-01 to 1980-08-15

Source/Spacecraft

MR9

VO1 (VIKING ORBITER-1)

VO2 (VIKING ORBITER-2)

Sensor/Instrument

ISS (IMAGING SCIENCE SUBSYSTEM)

VISA (VISUAL IMAGING SUBSYSTEM)

VISB (VISUAL IMAGING SUBSYSTEM)

Data Centers

Planetary Data System (PDS)

Max Planck Institute Heat Fluxes

Coverage Dates: 1959-01-01 to 1979-12-31

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

NASA Climate Data System (NCDS)

Mean Relative Humidity/Vertical Velocity/Vorticity Charts

Coverage Dates: 1961-05-01 to Present

Source/Spacecraft

RADIOSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Meteorological and Oceanographical Data from the First GARP Global Experiment (FGGE)

Coverage Dates: 1978-12-01 to 1979-11-30

Source/Spacecraft

AIRCRAFT
BALLONS
SHIP/BUOYS
GMS
GOES-2
GROUND STATIONS
METEOSAT
NIMBUS-7
NOAA-5
NOAA-6
SHIP/BUOYS
TIROS-N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)
DROPSONDE
ERB (EARTH RAD. BUDGET INSTRUMENTS)
LIMS (LIMB INFRARED MONITOR)
RADIOSONDE
SMMR (SCAN MULTICHANNEL M/WAVE RAD.)
TOVS (TIROS OPER VERTICAL SOUNDER)

Data Centers

National Center for Atmospheric Research (NCAR)
National Climatic Data Center (NCDC), NOAA

Meteorological and Oceanographic Data from the Gulf Offshore Weather Observing Network (GOWON) (F192)

Coverage Dates: 1981-01-01 to 1982-12-31

Source/Spacecraft

OCEAN BASED (OCEAN PLATFORMS)

Data Centers

National Oceanic Data Center (NODC), NOAA

Miscellaneous NSSDC Atmospheric Data from Earlier Spacecraft

Coverage Dates: 1963-04-04 to 1984-09-30

Source/Spacecraft

EXPLORER 19
EXPLORER 24
EXPLORER 39
AE-D
AE-E
AEROS
AEROS
DASH-2
EXPLORER 9
MIDAS 2
OGO 2
OGO 4
OGO 6
OV1-15

Sensor/Instrument

ACCELEROMETERS (TRIAxIAL ACCELEROMETER)
APPARATUS (SATEL. DRAG TRACKING APPARATUS)
EB SPECTROMETER (EBERT-FASTIE SPECTROMETER)
EUV SPECTROMETER (EXTREME UV SPECTROMETER)
FPI (FABRY-PEROT INTERFEROMETER)
MESA (MINIATURE ELECTROSTATIC ANALYZE)
MONITORS (AEROSOL MONITOR)
MS (MASS SPECTROMETER (NEUTRAL GAS))
NATE (NEUTRAL ATMOSPHERE TEMPERATURE)
OSS (OPEN SOURCE NEUTRAL MASS SPECTR)
OZONE (UV OZONE DETECTOR)
PG (IONIZATION PRESSURE GAUGES)
PHOTOMETERS (LYMAN-ALPHA PHOTOMETER)
RAD GAUGE (RAM ATMOSPHERE DENSITY GAUGE)
RADIOMETERS (INFRARED RADIOMETER)
SENSORS (VIS. NITROGEN DIOXIDE SENSOR)
UVIC (U V ION CHAMBERS)
VAE (VISIBLE AIRGLOW EXPERIMENT)

Data Centers

National Space Science Data Center (NSSDC), NASA

Miscellaneous Publications

Source/Spacecraft

GROUND STATIONS
SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Mixing Height Studies

Coverage Dates: 1960-01-01 to 1964-12-31

Source/Spacecraft

GROUND STATIONS
RADIOSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Monthly and Annual North American Comparative Climatic Data

Coverage Dates: 1941-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Monthly Average Tropical Winds from 80 Years of COADS

Coverage Dates: 1900-01-01 to 1979-12-31

Source/Spacecraft

SHIP/BUOYS

Data Centers

University of Hawaii (UH)

Monthly Climatic Data for the World, Climates of the World

Coverage Dates: 1948-05-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Monthly Mean Pacific Winds

Coverage Dates: 1979-01-01 to 1989-12-31

Source/Spacecraft

BUOYS (SHIP/BUOYS)

CAC SHIPS

GMS (GMS)

GOES EAST (GOES SERIES)

GOES WEST (GOES SERIES)

GROUND STATIONS

Data Centers

University of Hawaii (UH)

Monthly Mean Upper Tropospheric Winds from Satellite Cloud Motion and Vectors

Coverage Dates: 1974-09-01 to 1984-01-31

Source/Spacecraft

GOES EAST (GOES SERIES)

GOES WEST (GOES SERIES)

Data Centers

University of Hawaii (UH)

Monthly Tropical Indian Ocean Gridded Pseudo-stress Analyses

Coverage Dates: 1977-01-01 to 1989-12-31

Source/Spacecraft

SHIP/BUOYS

Sensor/Instrument

ANEMOMETER

Data Centers

Meoscale Air-Sea Interaction Group, Florida State University (MASIG)

NASA Climate Data System (NCDS)

National Meteorological Center Hemispheric Meteorology Pepmerge Grid and Analysis (TD-9606)

Coverage Dates: 1973-01-01 to Present

Data Centers

National Climatic Data Center (NCDC), NOAA

Naval Weather Service Airfield Summaries

Coverage Dates: 1903-01-01 to Present

Data Centers:

Army Engineers Topographic Laboratories (AETL)

NCAR Surface/Upper Air World Weather Records

Coverage Dates: 1741-01-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

NCAR Trenberth Wind Stress Climatology

Coverage Dates: 1980-01-01 to 1986-12-31

Data Centers

NASA Climate Data System (NCDS)

NCDC U.S. Upper Air, NCDC GTS Upper Air, NCDC GTS AFGWC Upper Air, and Upper Air Monthly Statistics (WARMFLUX)

Coverage Dates: 1946-10-01 to Present

Source/Spacecraft

RADIOSONDE STATIONS

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

NMC Global 2.5 Degree Grid Analyses

Coverage Dates: 1976-07-01 to 1987-12-31

Data Centers

National Center for Atmospheric Research (NCAR)

NMC Global GTS Upper Air, Aircraft, Satellite Winds, Surface Land/Marine, Radiosonde Summary, and Thermodynamic Radiosonde

Coverage Dates: 1973-01-01 to Present

Source/Spacecraft

RADIOSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

NMC Grid Point, Wind Data

Coverage Dates: 1963-01-01 to Present

Source/Spacecraft

AIRCRAFT

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Center for Atmospheric Research (NCAR)

NASA Climate Data System (NCDS)

NOAA Data Buoy Center (NDBC) Buoy Observations

Coverage Dates: 1972-10-01 to Present

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

North American/Northern Hemisphere Constant Pressure Charts and Summary of Constant Pressure Data (WBAN-33)

Coverage Dates: 1946-01-01 to Present

Source/Spacecraft

RADIOSONDE STATIONS

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

North American/Northern Hemisphere Surface Charts

Coverage Dates: 1942-03-01 to Present

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

North American Observational Data for July-December 1987 on CD-ROM

Coverage Dates: 1948-01-01 to 1987-12-31

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

University of Washington, Seattle (UWA)

N-Summary

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

NWRF Rawinsonde Global

Coverage Dates: 1963-09-01 to 1970-12-31

Source/Spacecraft

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Observations of Tropospheric Trace Gases and Meteorology in Rural Virginia Using an Unattended Monitoring System

Coverage Dates: 1988-10-12 to 1989-10-22

Source/Spacecraft

GROUND STATIONS

Data Centers

University of Maryland (UMD)

Original Monthly Record of Observations WB-1001

Coverage Dates: 1872-01-01 to 1947-01-01

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Pilot Chart Global Sums, Atlas, Marsden Squares

Coverage Dates: 1850-01-01 to 1970-12-31

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Post 1976 Hourly Solar Radiation and Meteorology Pepmerge Grid and Analysis (TD-9736)

Coverage Dates: 1973-01-01 to Present

Data Centers

National Climatic Data Center (NCDC), NOAA

Preliminary and Local Climatological Data (City)

Coverage Dates: 1939-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Record of Climatological Observations (COOP)

Coverage Dates: 1800-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Regional Cloud and Radlance Data from First ISCCP Regional Experiment (FIRE)

Coverage Dates: 1986-04-01 to Present

Source/Spacecraft

AIRCRAFT
DMSP
ERBS
GOES-6
GOES-7
LANSAT 5
NOAA-10
NOAA-7
NOAA-8
NOAA-9
SPOT

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)
ERBE (EARTH RAD. BUDGET INSTRUMENTS)
HRPT (HIGH RESOLUTION PICTURE TRANSMI)
LIDAR
RAWINSONDE
SAGE (STRATOSPHERIC AEROSOL GAS EXPER)
TM (THEMATIC MAPPER)
TOVS (TIROS OPER VERTICAL SOUNDER)
VAS (VISSR ATMOSPHERIC SOUNDER)
VISSR (VISIBLE INFRARED SPIN SCAN RAD.)

Data Centers

National Climatic Data Center (NCDC), NOAA
NASA Climate Data System (NCDS)

Revised Uniform Standard Summary Weather Observations (RUSSWO) and the Summary of Meteorological Observations, Surface (SNOS)

Coverage Dates: 1940-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Rocketsonde Observations, High Altitude Meteorological Data

Coverage Dates: 1957-01-01 to Present

Source/Spacecraft

ROCKETSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA
World Data Center-A (WDC-A)

Savannah River Experiment

Coverage Dates: 1975-03-03 to 1977-09-20

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

SEASAT Altimeter Sea Surface Height, Satellite Height with respect to the Reference Ellipsoid, Wind Speed, Wave Height, and Automatic Gain Control (level 2.5)

Coverage Dates: 1978-07-07 to 1978-10-10

Source/Spacecraft

SEASAT

Sensor/Instrument

ALT (ALTIMETERS/RADAR ALTIMETERS)

Data Centers

National Oceanographic and Atmospheric Administration (NOAA)

National Environmental Satellite Data and Information Service (NESDIS)

National Climatic Data Center (NCDC), NOAA

NASA Ocean Data System (NODS)

SEASAT SASS Level 2.5 Wind Speed and Wind Direction

Coverage Dates: 1978-07-07 to 1978-10-10

Source/Spacecraft

SEASAT

Sensor/Instrument

SASS (SEASAT-A SCATTEROMETER SYSTEM)

Data Centers

National Oceanographic and Atmospheric Administration (NOAA)

National Environmental Satellite Data and Information Service (NESDIS)

National Climatic Data Center (NCDC), NOAA

NASA Ocean Data System (NODS)

SEASAT Scanning Multichannel Microwave Radiometer Original Sensor and Geophysical Data Records: Sea Surface Temperature, Integrated Water Vapor, Atmos. Liquid

Coverage Dates: 1978-07-07 to 1978-10-10

Source/Spacecraft

SEASAT

Sensor/Instrument

SASS (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

NASA Ocean Data System (NODS)

SEASAT Scatterometer Sensor and Geophysical Data Records

Coverage Dates: 1978-07-07 to 1978-10-10

Source/Spacecraft

SEASAT

Sensor/Instrument

SASS (SEASAT-A SCATTEROMETER SYSTEM)

Data Centers

NASA Ocean Data System (NODS)

SEASAT SMMR Sea Surface Temperature, Wind Speed, Water Vapor, Atmospheric Liquid Water and Rain Rate (Level 2.5)

Coverage Dates: 1978-07-07 to 1978-10-10

Source/Spacecraft

SEASAT

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

National Oceanographic and Atmospheric Administration (NOAA)

National Environmental Satellite Data and Information Service (NESDIS)

National Climatic Data Center (NCDC), NOAA

NASA Ocean Data System (NODS)

SMMR Sea Ice Concentration

Coverage Dates: 1987-11-01 to 1987-08-31

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

NASA Climate Data System (NCDS)

SOLMET Hourly Solar Radiation Plus Surface Meteorological Observations

Coverage Dates: 1952-01-01 to 1985-10-31

Source/Spacecraft

PYRANOMETER

PYRHELIOMETER

Data Centers

National Climatic Data Center (NCDC), NOAA

Southern Hemisphere Constant Pressure Charts

Coverage Dates: 1975-10-01 to Present

Data Centers

National Climatic Data Center (NCDC), NOAA

Spectral Ocean Wave Model (SOWM), Hindcast/Parameterized Data/Operational and the Global SOWM

Coverage Dates: 1956-01-01 to Present

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Stability Array--STAR

Coverage Dates: 1945-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Storm Data

Coverage Dates: 1959-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Summary of Synoptic Meteorological Observations for Great Lakes Area

Coverage Dates: 1960-01-01 to 1973-12-31

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Summary of the Day - 1st Order (TD 3210) Meteorological Data

Coverage Dates: 1900-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Summary of the Day - 1st Order Weather Summaries from NCDC (TD-3210)

Coverage Dates: 1876-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Summary of the Winds Aloft (WBAN-120)/PIBAL (WBAN-20)

Source/Spacecraft

PILOT BALLOONS

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Surface Airways Hourly

Coverage Dates: 1930-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

NASA Climate Data System (NCDS)

Surface/Constant Pressure Prognostic Charts

Data Centers

National Climatic Data Center (NCDC), NOAA

Surface Marine Observations, Marine Atlas Data, Marine Climatological Summaries, Coastal Marine Area Summary, Marine Climatic Atlas

Coverage Dates: 1800-01-01 to Present

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Synoptic Weather Maps, Daily Series

Coverage Dates: 1899-01-01 to 1978-12-31

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Test Reference Year (TRY)

Coverage Dates: 1948-01-01 to

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

The Alpine Experiment (ALPEX)

Coverage Dates: 1981-09-01 to 1982-04-30

Source/Spacecraft

AIRCRAFT

DROPWINDSONDES

Data Centers

National Climatic Data Center (NCDC), NOAA

The Genesis of Atlantic Lows Experiment (GALE), on CD-ROM

Coverage Dates: 1986-01-15 to 1986-03-15

Source/Spacecraft

AIRCRAFT

GROUND STATIONS

NOAA-9

RADIOSONDE STATION

SHIP/BUOYS

Data Centers

GALE, ERICA Data Center, Drexel University (GDCEDC)

NASA Climate Data (NCDS)

University of Washington, Seattle (UWA)

Triple Register Charts

Coverage Dates: 1872-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Tropical Cyclone Storm Tracks/World Wide Consolidated, Hurricane Tropical Storm Bulletin, Mariners Weather Log, and Tropospheric Circulation

Coverage Dates: 1871-01-01 to Present

Source/Spacecraft

AIRCRAFT

GROUND STATIONS

SHIP/BUOYS

Sensor/Instrument

RADAR

Data Centers

National Climatic Data Center (NCDC), NOAA

Tropical Strip Surface Charts

Coverage Dates: 1969-03-01 to Present

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Tropical Strip Upper Air Charts

Coverage Dates: 1975-08-01 to Present

Source/Spacecraft

RADIOSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Upper Air Observations (Rawinsonde)

Coverage Dates: 1952-07-01 to 1978-12-31

Source/Spacecraft

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Upper Air Observations (Rawinsonde) Global Coverage

Coverage Dates: 1973-01-01 to 1980-12-31

Source/Spacecraft

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

U.S. Air Force Air Weather Services (AWS) and U.S. Navy Climatological Summary

Coverage Dates: 1940-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

U.S. Meteorological Upper-air Observation Data

Coverage Dates: 1948-01-01 to 1986-12-31

Data Centers

National Center for Atmospheric Research (NCAR)

Viking Lander 1 and 2, Mars Meteorology

Coverage Dates: 1976-07-20 to 1982-11-13

Source/Spacecraft

VL1 (VIKING LANDER-1)

VL2 (VIKING LANDER-2)

Sensor/Instrument

VMIS

Data Centers

Planetary Data System (PDS)

Weather Bureau Technical Papers

Data Centers

National Climatic Data Center (NCDC), NOAA

Weather Depiction Analysis Chart

Coverage Dates: 1976-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Wentz, Atlas, Freilich Surface Wind Vector Data from the SEASAT Scatterometer

Coverage Dates: 1978-07-07 to 1978-10-10

Source/Spacecraft

SEASAT

Sensor/Instrument

SASS (SEASAT-A SCATTEROMETER SYSTEM)

Data Centers

NASA Ocean Data System (NODS)

Wentz Collocated Surface Wind Vector Data from the SEASAT Scatterometer

Coverage Dates: 1978-07-07 to 1978-10-10

Source/Spacecraft

SEASAT

Sensor/Instrument

SASS (SEASAT-A SCATTEROMETER SYSTEM)

Data Centers

NASA Ocean Data System (NODS)

**Wentz SEASAT Scatterometer Forward and Aft Sigma-Naught Surface Wind Vectors
Collected into 50km cells:**

Coverage Dates: 1978-07-07 to 1978-10-10

Source/Spacecraft

SEASAT

Sensor/Instrument

SASS (SEASAT-A SCATTEROMETER SYSTEM)

Data Centers

NASA Ocean Data System (NODS)

Wind Aloft Charts

Coverage Dates: 1942-03-01 to Present

Source/Spacecraft

RADIOSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Wind-Ceiling-Visibility Data at Selected Airports

Coverage Dates: 1948-01-01 to 1978-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Wind Direction Versus Wind Speed Tabulation

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Wind Energy Resource Information (WERIS TD-9797) from NCDC

Coverage Dates: 1900-01-01 to 1978-12-31

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Sensor/Instrument

ANEMOMETER

Data Centers

National Climatic Data Center (NCDC), NOAA

Wind Gust Recorder Charts

Coverage Dates: 1872-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Wind Index Summary

Coverage Dates: 1940-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Wind Profiler Winds

Coverage Dates: 1987-01-01 to Present

Sensor/Instrument

RADAR

Data Centers

National Climatic Data Center (NCDC), NOAA

Wind Temperature Intermediate Data from the Wind and Temperature Spectrometer (WATS) Experiment on Dynamics Explorer-2

Coverage Dates: 1981-08-05 to 1983-02-18

Source/Spacecraft

DE-2

Sensor/Instrument

WATS (WIND AND TEMPERATURE SPECTROMET)

Data Centers

Goddard Space Flight Center (GSFC), NASA

World Airfield Summaries

Coverage Dates: to 1974-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Centers (NCDC), NOAA

World WeatherDisc, Climate Data for the Planet Earth

Coverage Dates: 1700-01-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

WeatherDisc Associates, Inc. (WDAI)

Zlotnicki/Fu Condensed GEOSAT Altimeter Geophysical Parameters

Coverage Dates: 1986-11-08 to 1989-09-26

Source/Spacecraft

GEOSAT

Sensor/Instrument

ALT (ALTIMETERS/RADAR ALIMETERS)

Data Centers

NASA Ocean Data System (NODS)

Zlotnicki/Fu Condensed Geosat Altimeter Sea Surface Height

Coverage Dates: 1986-11-08 to 1988-12-08

Source/Spacecraft

GEOSAT

Sensor/Instrument

ALT (ALTIMETERS/RADAR ALTIMETERS)

Data Centers

NASA Ocean Data System (NODS)

SECTION 3
EARTH RADIATIVE PROCESSES

EARTH RADIATIVE PROCESSES>ALBEDO

Advanced Very High Resolution Radiometer Global Area Coverage Data at the Pilot Land Data System

Coverage Dates: 1987-02-02 to 1987-10-24

Source/Spacecraft

NOAA-9

NOAA-10

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

Pilot Land Data System (PLDS), NASA

Advanced Very High Resolution Radiometer Local Area Coverage Data at the Pilot Land Data System

Coverage Dates: 1983-04-14 to 1983-10-24

Source/Spacecraft

NOAA-7

NOAA-8

NOAA-9

NOAA-10

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

Pilot Land Data System (PLDS), NASA

AFOS Disseminating Meteorological/Hydrological Data: PIREP, AIRMET, SIGMET, and Other Forecast/Advisories/Warnings, also SRRS

Coverage Dates: 1983-07-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Sensor/Instrument

RADAR

Data Centers

National Climatic Data Center (NCDC), NOAA

Daily Heat Budget Parameter Images

Coverage Dates: 1974-06-01 to 1980-01-01

Source/Spacecraft

NOAA POES

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

Satellite Data Services Division (SDSD), NOAA

Earth Surface and Atmospheric Imagery from MOS-1

Coverage Dates: 1987-02-23 to Present

Source/Spacecraft

MOS-1 (MARINE OBSERVING SATELLITE-1)

Sensor/Instrument

MESSR (MULTISPECTRAL ELECT. SCANNING R)

MSR (MICROWAVE SCANNING RADIOMETER)

VTIR (VISIBLE THERMAL INFRARED RADIOM)

Data Centers

Remote Sensing Technology Center of Japan (RESTEC)

ERBE Regional, Zonal, and Global Average, S-Series

Coverage Dates: 1984-11-01 to Present

Source/Spacecraft

ERBS

NOAA-10

NOAA-9

Data Centers

NASA Climate Data System (NCDS)

Global Data Base of Monthly Mean Cloud and Surface Properties

Coverage Dates: 1983-07-01 to Present

Source/Spacecraft

GMS-1

GMS-2

GMS-3

GOES-5

GOES-6

METEOSAT-2

METEOSAT-3

NOAA-7

NOAA-8

NOAA-9

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

MIR (MULTISPECTRAL IMAGING RAD.)

TOVS (TIROS OPER VERTICAL SOUNDER)

VAS (VISSR ATMOSPHERIC SOUNDER)

VISSR (VISIBLE INFRARED SPIN SCAN RAD.)

Data Centers

Goddard Institute for Space Studies (GISS)

Global Digital Data Bases of Vegetation and Land Use

Data Centers

Goddard Institute for Space Studies (GISS)

National Center for Atmospheric Research (NCAR)

Global Vegetation Data Set

Coverage Dates: 1960-01-01 to 1979-12-31

Source/Spacecraft

AIRCRAFT

FIELD SURVEYS

LANDSAT-5

Sensor/Instrument

RADIOMETER

Data Centers

Goddard Institute for Space Studies (GISS)

NASA Climate Data System (NCDS)

Gridded, Averaged Earth Radiation Parameters from NIMBUS-7 ERB (ERB-MATRIX)

Coverage Dates: 1978-11-16 to Present

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

ERB (EARTH RAD. BUDGET INSTRUMENTS)

Data Centers

NASA Climate Data System (NCDS)

National Space Science Data Center (NSSDC), NASA

Gridded, Monthly-Averaged Earth Radiation Parameters from NIMBUS-7 ERB (ERB-EMST)

Coverage Dates: 1978-11-16 to 1985-10-31

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

ERB (EARTH RAD. BUDGET INSTRUMENTS)

Data Centers

NASA Climate Data System (NCDS)

National Space Science Data Center (NSSDC), NASA

Meteorological and Oceanographical Data from the First GARP Global Experiment (FGGE)

Coverage Dates: 1978-12-01 to 1979-11-30

Source/Spacecraft

AIRCRAFT
BALLONS
SHIP/BOUYS
GMS
GOES-2
GROUND STATIONS
METEOSAT
NIMBUS-7
NOAA-5
NOAA-6
SHIP/BUOYS
TIROS-N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)
DROPSONDE
ERB (EARTH RAD. BUDGET INSTRUMENTS)
LIMS (LIMB INFRARED MONITOR)
RADIOSONDE
SMMR (SCAN MULTICHANNEL M/WAVE RAD.)
TIROS OPER VERTICAL SOUNDER
VTPR (VERTICAL TEMP PROFILE RAD.)

Data Centers

National Center for Atmospheric Research (NCAR)
NASA Climate Data System (NCDS)

NIMBUS-7 ERB Solar Irradiances

Coverage Dates: 1978-11-16 to Present

Source/Spacecraft

NIMBUS-6
NIMBUS-7

Sensor/Instrument

ERB (EARTH RAD. BUDGET INSTRUMENTS)

Data Centers

NASA Climate Data System (NCDS)

Scanner and Nonscanner Earth Radiant Existence and ALBEDO (S-4, S-9, S-10) From ERBS AND NOAA 9 ERBE

Coverage Dates: 1984-11-04 to Present

Source/Spacecraft

ERBS
NOAA-9

Sensor/Instrument

ERB (EARTH RAD. BUDGET INSTRUMENTS)

Data Centers

National Space Science Data Center (NSSDC), NASA

SMMR Snow Depth Data at Pilot Land Data System

Coverage Dates: 1978-1-01 to 1987-08-31

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

Pilot Land Data System (PLDS), NASA

Total Ozone and Reflectivity from NIMBUS-7 TOMS (HDTOMS, GRIDTOMS)

Coverage Dates: 1978-10-30 to Present

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

TOMS (TOTAL OZONE MAPPING SPECT)

Data Centers

NASA Climate Data System (NCDS)

EARTH RADIATIVE PROCESSES>HEAT FLUX

AFOS Disseminating Meteorological/Hydrological Data: PIREP, AIRMET, SIGMET, and Other Forecasts/Advisories/Warnings, also SRRS

Coverage Dates: 1983-07-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Sensor/Instrument

RADAR

Data Centers

National Climatic Data Center (NCDC), NOAA

Global Heat Flow, Temperature Gradient and Thermal Conductivity Data from NGDC

Data Centers

National Geophysical Data Center (NGDC), NOAA

National Oceanic and Atmospheric Administration (NOAA)

Gridded, Averaged Earth Radiation Parameters from NOAA SR and AVHRR

Coverage Dates: 1974-06-01 to Present

Source/Spacecraft

NOAA-10

NOAA-2

NOAA-3

NOAA-4

NOAA-5

NOAA-6

NOAA-7

NOAA-8

NOAA-9

TIROS-N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

SR (SCANNING RADIOMETER)

Data Centers

NASA Climate Data System (NCDS)

Satellite Data Services Division (SDSD), NOAA

NOAA Space Environment Laboratory On-Line Solar and Geophysical Data

Coverage Dates: 1990-01-01 to Present

Source/Spacecraft

GOES (GOES SERIES)

GROUND BASED OBSERVATORIES (OBSERVATORIES - SOLAR/GROUND)

SID

SOON

Sensor/Instrument

MAGNETOMETER

RADIO TELESCOPE

RIOMETER

SEM (SPACE ENVIRONMENT MONITOR)

SOLOAR TELESCOPE

Data Centers

Solar Environment Laboratory (SEL), NOAA

SMMR Snow Depth at Pilot Land Data System

Coverage Dates: 1978-11-01 to 1987-08-31

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

Pilot Land Data System (PLDS), NASA

EARTH RADIATIVE PROCESSES>RADIANCE

Automated Meteorological Station (AMS) Data at the Pilot Land Data System

Coverage Dates: 1987-05-15 to 1989-08-27

Source/Spacecraft

COE DCP (AUTOMATED METEOROLOGICAL STA.)

Sensor/Instrument

PAM (PORTABLE AUTOMATED MESONET)

Data Centers

Pilot Land Data System (PLDS), NASA

AVHRR GAC Gap Filler Raw Counts With Calibration and Location Data

Coverage Dates: 1978-10-20 to 1985-04-11

Source/Spacecraft

NOAA-6

NOAA-7

NOAA-8

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

National Center for Atmospheric Research (NCAR)

National Space Science Data Center (NSSDC), NASA

Satellite Data Services Division (SDSD), NOAA

AVHRR LAC Data at Pilot Land Data System

Coverage Dates: 1983-04-14 to 1988-02-25

Source/Spacecraft

NOAA-10

NOAA-7

NOAA-8

NOAA-9

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

Pilot Land Data System (PLDS), NASA

Cloud-free and Low Cloud Cover Landsat MSS Scenes of The UK and Other Selected Areas

Coverage Dates: 1972-07-23 to Present

Source/Spacecraft

LANDSAT

Sensor/Instrument

MSS (MULTISPECTRAL SCANNER)

Data Centers

Earth Observation Data Center (EODC), RAE

Cloud-free and Low Cloud Cover Landsat TM Scenes of The UK and Other Selected Areas

Coverage Dates: 1982-07-16 to Present

Source/Spacecraft

LANDSAT

Sensor/Instrument

TM (THEMATIC MAPPER)

Data Centers

Earth Observation Data Center (EODC), RAE

Cloud-free and Low Cloud Cover SPOT Scenes of The UK and Other Selected Areas

Coverage Dates: 1986-02-22 to Present

Source/Spacecraft

SPOT-1

Sensor/Instrument

HRV (HIGH RESOLUTION VISIBLE INSTRUM)

Data Centers

Earth Observation Data Center (EODC), RAE

Coastal Zone Color Scanner (CZCS) Compressed Earth Imagery Gridded Data Sets (CGDS)

Coverage Dates: 1978-10-24 to 1986-06-23

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

CZCS (COASTAL ZONE COLOR SCANNER)

Data Centers

National Space Science Data Center (NSSDC), NASA

Satellite Data Services Division (SDSD)

Defense Meteorological Satellite Program (DMSP) Operational Linescan System (OLS) Imagery

Coverage Dates: 1973-01-01 to Present

Source/Spacecraft

DMSP

Sensor/Instrument

OLS (OPERATIONAL LINESCAN SYSTEM)

Data Centers

National Snow and Ice Data Center (NSIDC)

Earth Radiation Budget Master Archival Tape (MAT) from NIMBUS-7 ERB

Coverage Dates: 1978-11-16 to Present

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

ERB (EARTH RAD. BUDGET INSTRUMENTS)

Data Centers

National Space Science Data Center (NSSDC), NASA

Earthnet LANSAT MSS, RBV and TM data

Coverage Dates: 1972-01-01 to Present

Source/Spacecraft

LANDSAT-1
LANDSAT-2
LANDSAT-3
LANDSAT-4
LANDSAT-5

Sensor/Instrument

MSS (MULTISPECTRAL SCANNER)
RBV (RETURN BEAM VIDICON)
TM (THEMATIC MAPPER)

Data Centers

Earthnet Programme Office (EPO), ESA
EURIMAGE SCRL

Earthnet Programme Office NOAA-TIROS AVHRR and TVOS data

Coverage Dates: 1978-11-06 to Present

Source/Spacecraft

NOAA-10
NOAA-11
NOAA-6
NOAA-7
NOAA-8
NOAA-9
TIROS N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)
TOVS (TIROS OPER VERTICAL SOUNDER)

Data Centers

Earthnet Programme Office (EPO), ESA

Experiment on Rapidly Intensifying Cyclones Over the Atlantic (ERICA) Field Study, on CD-ROM

Coverage Dates: 1988-12-01 to 1989-02-26

Source/Spacecraft

AIRCRAFT
GOES-6
GROUND STATIONS
RADIOSONDE STATIONS
SHIP/BUOYS

Data Centers

GALE, ERICA Data Center, Drexel University (GDCEDC)
NASA Climate Data System (NCDS)

Global Radiance Data from International Satellite Cloud Climatology Project (ISCCP-B)
Coverage Dates: 1983-07-01 to Present

Source/Spacecraft

GMS-1
GMS-2
GMS-3
GOES-5
GOES-6
METEOSAT-2
NOAA-10
NOAA-7
NOAA-8
NOAA-9

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)
MIR (MULTISPECTRAL IMAGING RAD.)
VAS (VISSR ATMOSPHERIC SOUNDER)
VISSR (VISSIBLE INFRARED SPIN SCAN RAD.)

Data Centers

NASA Climate Data System (NCDS)
National Climatic Data Center (NCDC), NOAA

Gridded, Averaged Earth Radiation Parameters from NIMBUS-7 ERB (ERB-MATRIX)

Coverage Dates: 1978-11-16 to Present

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

ERB (EARTH RAD. BUDGET INSTRUMENTS)

Data Centers

NASA Climate Data System (NCDS)
National Space Science Data Center (NSSDC), NASA

Gridded Monthly-Averaged Earth Radiation Parameters from NIMBUS-7 ERB(ERB-EMST)

Coverage Dates: 1978-11-16 to 1985-10-31

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

ERB (EARTH RAD. BUDGET INSTRUMENTS)

Data Centers

National Space Science Data Center (NSSDC), NASA

Meteorological and Oceanographical Data from the First GARP Global Experiment (FGGE)

Coverage Dates: 1978-12-01 to 1979-11-30

Source/Spacecraft

AIRCRAFT
BALLONS
GMS
GOES-2
GROUND STATIONS
METEOSAT
NIMBUS-7
NOAA-5
NOAA-6
SHIP/BUOYS
TIROSON

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)
DROPSONDE
ERB (EARTH RAD. BUDGET INSTRUMENTS)
LIMS (LIMB INFRARED MONITOR)
RADIOSONDE
SMMR (SCAN MULTICAHNNEL M/WAVE RAD.)
TOVS (TIROS OPER VERTICAL SOUNDER)
VTPR (VERTICAL TEMP PROFILE RAD.)

Data Centers

National Center for Atmospheric Research (NCAR)
NASA Climate Data System (NCDS)

NOAA Atmospheric Handbook Data Tables

Coverage Dates: 1896-01-01 to 1980-12-31

Data Centers

National Climate Data Center (NCDC), NOAA
National Geophysical Data Center (NGDC)

Radiances, Brightness Temperatures, and Cloud Montages from the Temperature-Humidity Infrared Radiometer (THIR) on Nimbus 4,5, and 6

Coverage Dates: 1970-04-18 to 1977-05-06

Source/Spacecraft

NIMBUS-4
NIMBUS-5
NIMBUS-6

Sensor/Instrument

THIR (TEMP HUMIDITY INFRARED RAD.)

Data Centers

National Space Science Data Center (NSSDC), NASA

Radiance Data from the Selective Chopper Radiometer (SCR) on Nimbus 4 and 5
Coverage Dates: 1970-07-27 to 1974-12-26

Source/Spacecraft

NIMBUS-4

NIMBUS-5

Sensor/Instrument

SCR (SELECTIVE CHOPPER RADIOMETERS)

Data Centers

National Space Science Data Center (NSSDC), NASA

Radiances from HRIR and MRIR on Nimbus 1, 2, and 3

Coverage Dates: 1964-08-28 to 1970-03-21

Source/Spacecraft

NIMBUS-1

NIMBUS-2

NIMBUS-3

Sensor/Instrument

HRIR (VISIBLE AND INFRARED RADIOMETER)

MRIR (VISIBLE AND INFRARED RADIOMETER)

Data Centers

National Space Science Data Center (NSSDC), NASA

Radiances and Pigment Concentration from the Nimbus-7 Coastal Zone Color Scanner (CZCS)

Coverage Dates: 1978-10-24 to 1986-06-23

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

CZCS (COASTAL ZONE COLOR SCANNER)

Data Centers

NASA Climate Data System (NCDS)

Satellite Data Service Division (SDSD), NOAA

Radiance Measurements from TIROS-N/NOAA Tiros Operational Vertical Sounder (TOVS)

Coverage Dates: 1978-10-19 to Present

Source/Spacecraft

NOAA-10

NOAA-6

NOAA-7

NOAA-8

NOAA-9

TIROS-N

Sensor/Instrument

HIRS/2 (HIGH RES. IR RAD. SOUNDER)

MSU (MICROWAVE SOUNDING UNIT)

SBUV2 (SOLAR BACKSCATTER UV SPECTRO)

SSU (STATOSPHERIC SOUNDING UNIT)

TOVS (TIROS OPER VERTICAL SOUNDER)

Data Centers

National Space Science Data Center (NSSDC), NASA

Satellite Data Service Division (SDSD)

Radiances from the Satellite Infrared Spectrometer (SIRS) on Nimbus 3 and 4

Coverage Dates: 1969-04-14 to 1971-04-08

Source/Spacecraft

NIMBUS-3

NIMBUS-4

Sensor/Instrument

SATELLITE IR SPECTROMETER

Data Centers

National Space Science Data Center (NSSDC), NASA

Regional Cloud and Radiance Data from First ISCCP Regional Experiment (FIRE)

Coverage Dates: 1986-04-01 to Present

Source/Spacecraft

AIRCRAFT

DMSP

ERBS

GOES-6

GOES-7

LANDSAT 5

NOAA-10

NOAA-9

SPOT

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

ERBE (EARTH RAD. BUDGET INSTRUMENTS)

HRPT (HIGH RESOLUTION PICTURE TRANSMI)

LIDAR (LIDAR)

RAWINSONDE

SAGE (STRATOSPHERIC AEROSOL GAS EXPER)

TM (THEMATIC MAPPER)

TOVS (TIROS OPER VERTICAL SOUNDER)

VAS (VISSR ATMOSPHERIC SOUNDER)

VISSR (VISIBLE INFRARED SPIN SCAN RAD.)

Data Centers

National Climatic Data Center (NCDC), NOAA

NASA Climate Data System (NCDS)

SBUV Continuous Spectral Scan Solar Irradiances and Earth Radiances (SUNC and EARTH) from Nimbus 7

Coverage Dates: 1978-11-04 to 1985-10-15

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

SBUV (SOLAR BACKSCATTER UV SPECTRO)

Data Centers

National Space Science Data Center (NSSDC), NASA

Scanner And Nonscanner Earth Radiant Exitance And ALBEDO (S-4, S-9, S-10) From ERBS And NOAA 9 ERBE

Coverage Dates: 1984-11-04 to Present

Source/Spacecraft

ERBS

NOAA-9

Sensor/Instrument

ERBE (EARTH RAD. BUDGET INSTRUMENTS)

Data Centers

National Space Science Data Center (NSSDC), NASA

Scripps Archive NIMBUS-7 Coastal Zone Color Scanner Level 0 Radiance

Coverage Dates: 1979-02-15 to 1986-06-16

Source/Spacecraft

NIMBUS7

Sensor/Instrument

CZCS (COASTAL ZONE COLOR SCANNER)

Data Centers

National Climatic Data Center (NCDC), NOAA

Scripps Satellite Facility

Scripps Satellite Oceanography Facility TirosN/NOAA Level 0 Telemetry data

Coverage Dates: 1978-10-19 to Present

Source/Spacecraft

NOAA-6

NOAA-7

NOAA-8

NOAA-9

NOAA-10

TIROS-N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

HIRS/2 (HIGH RES. IR RAD. SOUNDER)

MSU (MICROWAVE SOUNDING UNIT)

SSU (STRATOSPHERIC SOUNDING UNIT)

TOVS (TIROS OPER VERTICAL SOUNDER)

Data Centers

Scripps Satellite Facility

Solar and Earth Flux Data Tape (SEFDT) from NIMBUS-7 ERB

Coverage Dates: 1978-11-16 to Present

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

ERB (EARTH RAD. BUDGET INSTRUMENTS)

Data Centers

National Space Science Data Center (NSSDC), NASA

Thermal Emission Spectra from the Infrared Interferometer Spectrometer (IRIS) on Nimbus 3 and 4

Coverage Dates: 1969-04-15 to 1971-01-30

Source/Spacecraft

NIMBUS-3

NIMBUS-4

Sensor/Instrument

IRIS (IR INTERFEROMETER SPECTROMETER)

Data Centers

National Space Science Data Center (NSSDC), NASA

TOVS Raw Counts With Calibration and Location Data

Coverage Dates: 1978-10-29 to 1985-04-11

Source/Spacecraft

NOAA-6

NOAA-7

NOAA-8

NOAA-9

Sensor/Instrument

TOVS (TIROS OPER VERTICAL SOUNDER)

Data Centers

National Center for Atmospheric Research (NCAR)

National Space Science Data Center (NSSDC), NASA

Satellite Data Services Division (SDSD), NOAA

Uncorrected Radiance Data (RUT-T) from NIMBUS-7 TOMS

Coverage Dates: 1978-10-30 to Present

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

TOMS (TOTAL OZONE MAPPING SPECT)

Data Centers

National Space Science Data Center (NSSDC), NASA

University of Miami/RSMAS Global Gridded NOAA Advanced Very High Resolution Radiometer Multichannel Sea Surface Temperature

Coverage Dates: 1981-10-01 to 1990-06-30

Source/Spacecraft

NOAA-10

NOAA-9

Data Centers

NASA Ocean Data System (NODS)

University of Miami/RSMAS MCSST from the NOAA Advanced Very High Resolution Radiometer

Coverage Dates: 1986-10-01 to 1988-06-30

Source/Spacecraft

NOAA-10

NOAA-9

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

NASA Ocean Data System (NODS)

University of Miami Tiros-N/NOAA AVHRR Level 1b

Coverage Dates: 1978-10-19 to Present

Source/Spacecraft

NOAA-10
NOAA-6
NOAA-7
NOAA-8
NOAA-9
TIROS-N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

University of Miami (UM)

University of Miami TirosN/NOAA AVHRR Telemetry Data (Level 0)

Coverage Dates: 1978-10-19 to Present

Source/Spacecraft

NOAA-6
NOAA-7
NOAA-8
NOAA-9
TIROS-N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)
HIRS/2 (HIGH RES. IR RAD. SOUNDER)
MSU (MICROWAVE SOUNDING UNIT)
SSU (STRATOSPHERIC SOUNDING UNIT)
TOVS(TIROS OPER VERTICAL SOUNDER)

Data Centers

University of Miami (UM)

University of Rhode Island AVHRR Level 1b Inventory

Coverage Dates: 1978-10-19 to Present

Source/Spacecraft

NOAA-10
NOAA-6
NOAA-7
NOAA-8
NOAA-9
TIROS-N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

University of Rhode Island (URI)

University of Miami NIMBUS7 CZCS Data (Level 1)

Coverage Dates: 1978-10-24 to 1986-06-23

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

CZCS (COASTAL ZONE COLOR SCANNER)

Data Centers

University of Miami (UM)

Visible and Infrared Radiances from TIROS-N/NOAA Advanced Very High Resolution Radiometer (AVHRR)

Coverage Dates: 1978-10-19 to Present

Source/Spacecraft

NOAA-10
NOAA-6
NOAA-7
NOAA-8
NOAA-9
TIROS-N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

National Space Science Data Center (NSSDC), NASA
Satellite Data Services Division (SDSD)

West Coast Time Series Coastal Zone Color Scanner Pigment Concentration from the NIMBUS-7

Coverage Dates: 1979-02-15 to 1986-06-16

Source/Spacecraft

NIMBUS7

Sensor/Instrument

CZCS (COASTAL ZONE COLOR SCANNER)

Data Centers

NASA Ocean Data System (NODS)
Oregon State University (OSU)

EARTH RADIATIVE PROCESSES>SOLAR ACTIVITY

AFOS Disseminating Meteorological/Hydrological Data: PIREP, AIRMET, SIGMET, and Other Forecasts/Advisories/Warnings, also SRRS

Coverage Dates: 1983-07-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Sensor/Instrument

RADAR

Data Centers

National Climatic Data Center (NCDC), NOAA

Balloon Cosmic Ray Measurement Data from NGDC

Coverage Dates: 1957-01-01 to Present

Source/Spacecraft

BALLONS

Data Centers

National Geophysical Data Center (NGDC), NOAA

Climatological Data National Summary

Coverage Dates: 1950-01-01 to 1980-12-31

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

RAWINSONDE STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Cosmic Ray Ionization Chamber Data from NGDC

Coverage Dates: 1936-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Sensor/Instrument

IONIZATION CHAMBER

Data Centers

National Geophysical Data Center (NGDC), NOAA

Cosmic Ray Neutron Monitor and Supermonitor Data from NGDC

Coverage Dates: 1953-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Sensor/Instrument

NEUTRON MONITOR STATIONS

Data Centers

National Geophysical Data Center (NGDC), NOAA

**Daily Cooperative/First Order Summary of the Day and Month, and Summary of the Day
Form 5670**

Coverage Dates: 1850-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

EarthInfo Inc. (EII)

National Climatic Data Center (NCDC), NOAA

**Decadal Heat Budget from the NOAA series Advanced Very High Resolution
Radiometer**

Coverage Dates: 1974-06-01 to Present

Source/Spacecraft

NOAA POES

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

Satellite Data Service Division (SDSD), NOAA

Decadal Heat Budget Data from NOAA Series Radiometer Data (1974-1986)

Coverage Dates: 1974-06-01 to 1986-02-28

Source/Spacecraft

NOAA POES

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

Satellite Data Services Division (SDSD), NOAA

**Energetic Particles Measurements from Geostationary Operational Environmental
Satellites (SMS/GOES) - NGDC**

Coverage Dates: 1974-06-27 to Present

Source/Spacecraft

GOES SERIES

SMS

Sensor/Instrument

SEM (SPACE ENVIRONMENT MONITOR)

Data Centers

National Geophysical Data Center (NGDC), NOAA

ERBE Regional, Zonal, and Global Average, S-Series

Coverage Dates: 1984-11-01 to Present

Source/Spacecraft

ERBS

NOAA-10

NOAA-9

Data Centers

National Climatic Data Center (NCDC), NOAA

Experiment on Rapidly Intensifying Cyclones Over the Atlantic (ERICA) Filed Study, on CD-ROM

Coverage Dates: 1988-12-01 to 1989-02-26

Source/Spacecraft

AIRCRAFT

GOES-6

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

NASA Climate Data System (NCDS)

Gridded Atmospheric and Oceanic Data

Coverage Dates: 1974-06-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Gridded, Averaged Earth Radiation Parameters from NIMBUS-7 ERB (ERB-EMST)

Coverage Dates: 1978-11-16 to 1985-10-31

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

ERB (EARTH RAD. BUDGET INSTRUMENTS)

Data Centers

NASA Climate Data System (NCDS)

National Space Science Data Center (NSSDC), NASA

Gridded, Averaged Earth Radiation Parameters from NIMBUS-7 ERB (ERB-MATRIX)

Coverage Dates: 1978-11-16 to Present

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

ERB (EARTH RAD. BUDGET INSTRUMENTS)

Data Centers

NASA Climate Data System (NCDS)

National Space Science Data Center (NSSDC), NASA

Gridded, Averaged Earth Radiation Parameters from NOAA SR and AVHRR

Coverage Dates: 1974-06-01 to Present

Source/Spacecraft

NOAA-10
NOAA-2
NOAA-3
NOAA-4
NOAA-5
NOAA-6
NOAA-7
NOAA-8
NOAA-9
TIROS-N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

NASA Climate Data System (NCDS)
Satellite Data Service Division (SDSD), NOAA

Gridded Monthly-Averaged Earth Radiation Parameters from NIMBUS-7 ERB (ERB-EMST)

Coverage Dates: 1978-11-16 to 1985-10-31

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

ERB (EARTH RAD. BUDGET INSTRUMENTS)

Data Centers

National Space Science Data Center (NSSDC), NASA

Ground Ionosondes Hourly Characteristics In Digital Form from World Data Center-B2

Coverage Dates: 1956-07-01 to 1988-06-01

Source/Spacecraft

USSR IONOSONDE NETWORK

Sensor/Instrument

GROUND ANALOGUE IONOSONDE (IONOSONDE)

Data Centers

World Data Center-B2 (WDC-B2)

Historical Climate Series 2-1, 2-2, 2-3 (Historical Indexes)

Coverage Dates: 1800-01-01 to 1984-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Historical Sunshine Data in the United States, CDIAC NDP-021

Coverage Dates: 1891-01-01 to 1984-01-01

Sensor/Instrument

PHOTOELECTRIC SUNSHINE SWITCH
THERMOMETRIC SUNSHINE SWITCH

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE

Hour Averaged, Near-earth, Solar Wind Field and Plasma, 1963 Onwards (OMNITAPE)

Coverage Dates: 1963-11-27 to 1987-05-25

Source/Spacecraft

AIMP 1
AIMP 2
HEOS 1
HEOS 2
IMP 8
ISEE 1
ISEE 3
OGO 5
VELA 3

Sensor/Instrument

MAG

Data Centers

National Space Science Data Center (NSSDC), NASA

HSIUNG Mean Surface Energy Fluxes

Coverage Dates: 1949-01-01 to 1979-12-31

Data Centers

NASA Climate Data System (NCDS)

Ion Mass Spectrometer Measurements in the Upper Ionosphere from World Data Center-B2

Coverage Dates: 1974-02-01 to 1974-03-30

Source/Spacecraft

AUREOL 2

Sensor/Instrument

ION MASS SPECTROMETER

Data Centers

World Data Center-B2 (WDC-B2)

Lean and Foukal Monthly Mean Solar Irradiance

Coverage Dates: 1954-01-01 to 1984-12-31

Sensor/Instrument

ACRIM (ACT. CAVITY RAD. IRRADIANCE MON)
ERB (EARTH RAD. BUDGET INSTRUMENTS)

Data Centers

NASA Climate Data System (NCDS)

Max Planck Institute Heat Flux

Coverage Dates: 1950-01-01 to 1979-12-31

Source/Spacecraft

GROUND STATIONS
SHIP/BUOYS

Data Centers

NASA Climate Data System (NCDS)

Monthly Heat Budget Data from the NOAA Series Advanced Very High Resolution Radiometer (AVHRR)

Coverage Dates: 1979-01-01 to Present

Source/Spacecraft

NOAA POES

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

Satellite Data Services Division (SDSD), NOAA

Monthly Mean Heat Budget Files from TIROS/NOAA Series Scanning Radiometer (1974-1978)

Coverage Dates: 1974-06-01 to 1978-02-28

Source/Spacecraft

NOAA POES

Sensor/Instrument

SR (SCANNING RADIOMETER)

Data Centers

Satellite Data Service Division (SDSD), NOAA

National Geophysical Data Center's Regions of Solar Activity

Coverage Dates: 1968-12-26 to 1982-08-31

Source/Spacecraft

SOLAR TELESCOPE

Data Centers

NASA Climate Data System (NCDS)

Solar Environment Laboratory (SEL), NOAA

Nimbus-7 ERB Solar Irradiances

Coverage Dates: 1978-11-16 to Present

Source/Spacecraft

NIMBUS-6

NIMBUS-7

Sensor/Instrument

ERB (EARTH RAD. BUDGET INSTRUMENTS)

Data Centers

National Climatic Data Center (NCDC), NOAA

NOAA Data Buoy Center (NDBC) Buoy Observations

Coverage Dates: 1972-10-01 to Present

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

NOAA Space Environment Laboratory On-Line Solar and Geophysical Data

Coverage Dates: 1990-01-01 to Present

Source/Spacecraft

GOES
GROUND BASED OBSERVATIONAL
SID
SOON

Sensor/Instrument

MAGNETOMETER
RADIO TELESCOPE
RIOMETER
SEM (SPACE ENVIRONMENT MONITOR)
SOLAR TELESCOPE

Data Centers

Solar Environment Laboratory (SEL), NOAA

Observations of Tropospheric Trace Gases and Meteorology in Rural Virginia Using an Unattended Monitoring System

Coverage Dates: 1988-10-12 to 1989-10-22

Source/Spacecraft

GROUND STATIONS

Data Centers

University of Maryland (UMD)

Ottawa 2800 MHz Solar Flux

Coverage Dates: 1947-02-14 to Present

Source/Spacecraft

OBSERVATORIES (OBSERVATORIES - SOLAR/GROUND)

Sensor/Instrument

RADIO TELESCOPE

Data Centers

Dominion Radio Astrophysical Observatory (DRAO)
NASA Climate Data System (NCDS)
National Climate Data Center (NCDC), NOAA

Ozone Data

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Post 1976 Hourly Solar Radiation and Meteorological Data (TD-9736)

Coverage Dates: 1977-01-01 to 1980-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Radiance Measurements from TIROS-N/NOAA Tiros Operational Vertical Sounder (TOVS)

Coverage Dates: 1978-10-19 to Present

Source/Spacecraft

NOAA-10

NOAA-6

NOAA-7

NOAA-8

NOAA-9

TIROS-N

Sensor/Instrument

HIRS/2 (HIGH RES. IR RAD. SOUNDER)

MSU (MICROWAVE SOUNDING UNIT)

SBUV2 (SOLAR BACKSCATTER UV SPECTRO)

SSU (STRATOSPHERIC SOUNDING UNIT)

TOVS (TIROS OPER VERTICAL SOUNDER)

Data Centers

National Space Science Data Center (NSSDC), NASA

Satellite Data Services Division (SDSD), NOAA

Savannah River Experiment

Coverage Dates: 1975-03-03 to 1977-09-20

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climate Data Center (NCDC), NOAA

Seasonal Heat Budget Data from the NOAA series Advanced Very High Resolution Radiometer

Coverage Dates: 1974-06-01 to Present

Source/Spacecraft

NOAA POES

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

SR (SCANNING RADIOMETER)

Data Centers

Satellite Data Service Division (SDSD), NOAA

SME Lyman Alpha Solar Irradiance

Coverage Dates: 1982-01-01 to 1988-06-30

Sensor/Instrument

SME

Data Centers

National Climatic Data Center (NCDC), NOAA

Solar Analyses Data (ESAT) from Nimbus-7 ERB

Coverage Dates: 1978-11-16 to Present

Source/Spacecraft

NIMBUS-7

Sensor/Spacecraft

ERB (EARTH RAD. BUDGET INSTRUMENTS)

Data Centers

NASA Climate Data System (NCDS)

Solar and Earth Flux Data Tape(SEFDT) from NIMBUS-7 ERB

Coverage Dates: 1978-11-16 to Present

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

ERB (EARTH RAD. BUDGET INSTRUMENTS)

Data Centers

NASA Climate Data System (NCDS)

National Space Science Data Center (NSSDC), NASA

Solar Radiation Energy Resource Atlas of the US

Coverage Dates: 1953-01-01 to 1975-12-31

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Sensor/Instrument

PYRANOMETER

Data Centers

National Climatic Data Center (NCDC), NOAA

Solar Radiation Monthly Summaries from NCDC (1977-1980)

Coverage Dates: 1977-01-01 to 1980-12-31

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

SOLDAY Daily Solar Radiation and Meteorological Parameters (TD-9739)

Coverage Dates: 1952-01-01 to 1976-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

SOLMET Hourly Solar Radiation Plus Surface Meteorological Observations

Coverage Dates: 1952-01-01 to 1985-10-31

Source/Spacecraft

GROUND STATIONS

Sensor/Instrument

PYRANOMETER

PYRHELIOMETER

Data Centers

National Climatic Data Center (NCDC), NOAA

Sudden Ionosphere Disturbance (SID) Data from NGDC

Source/Spacecraft

GROUND STATIONS

Sensor/Instrument

NEUTRON MONITOR STATIONS

Data Centers

National Geophysical Data Center (NGDC), NOAA

Summary of the Day - 1st Order Weather Summaries from NCDC (TD-3210)

Coverage Dates: 1876-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Typical Meteorological Year (TD-9734)

Coverage Dates: 1953-01-01 to 1976-12-31

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Visible and Infrared Radiance from TIROS-N/NOAA Advanced Very High Resolution Radiometer (AVHRR)

Coverage Dates: 1978-10-19 to Present

Source/Spacecraft

NOAA-10

NOAA-6

NOAA-7

NOAA-8

NOAA-9

TIROS-N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

National Space Science Data Center (NSSDC), NASA

Satellite Data Services Division (SDSD), NOAA

X-ray Flux from Geostationary Operational Environmental Satellite & (GOES) Space Environment Monitoring - NGDC

Coverage Dates: 1974-06-07 to Present

Source/Spacecraft

GOES SERIES

Sensor/Instrument

SEM (SPACE ENVIRONMENT MONITOR)

Data Centers

National Geophysical Data Center (NGDC)

Solar Environment Laboratory (SEL), NOAA

SECTION 4
GEOGRAPHY AND LAND COVER

GEOGRAPHY AND LAND COVER>SOILS

Alaska Glacier Data from the USGS, Fairbanks, Alaska

Coverage Dates: 1961-01-01 to 1988-01-01

Data Centers

Earth Science Data Directory (ESDD), USGS

Climatological Data (State) - Daily, Monthly, Seasonal and Annual

Coverage Dates: 1885-01-01 to Present

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatological Data - Daily, Monthly, Seasonal and Annual Data by Drainage Basin

Coverage Dates: 1895-01-01 to Present

Source/Spacecraft

GROUND BASED (GROUND STATIONS)

Data Centers

National Climatic Data Center (NCDC), NOAA

Daily Cooperative/First Order Summary of the Day and Month, and Summary of the Day Form 5670

Coverage Dates: 1850-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

EarthInfo Inc. (EII)

National Climatic Data Center (NCDC), NOAA

Estimating Storage Days for Soils Treatment Systems

Coverage Dates: 1850-01-01 to Present

Data Centers

National Climatic Data Center (NCDC), NOAA

Geochemical Data on Rocks, Soils, Minerals, and Plants from the UGS, Denver, Colorado

Data Centers

Earth Science Data Directory (ESDD), USGS

GISS Global Soils Data Set

Coverage Dates: 1974-01-01 to 1981-12-31

Data Centers

Goddard Institute for Space Studies (GISS)

National Center for Atmospheric Research (NCAR)

NASA Climate Data System (NCDS)

GISS Global Wetlands Data Set

Coverage Dates: 1971-01-01 to 1981-12-31

Data Centers

Goddard Institute for Space Studies (GISS)

NASA Climate Data System (NCDS)

Global Digital Data Base of Soil Properties

Data Centers

Goddard Institute for Space Studies (GISS)
National Center for Atmospheric Research (NCAR)

Global Soil Parameters-Classification, Texture, Slope, and Phase

Coverage Dates: 1974-12-31 to Present

Data Centers

National Center for Atmospheric Research (NCAR)
NASA Climate Data System (NCDS)

Historical Climatology Series 3,1-11 (ATLASES)

Coverage Dates: 1895-01-01 to 1983-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

LANDSAT Fly Over Land Use for the Chesapeake Basin

Coverage Dates: 1977-04-01 to 1979-06-01

Source/Spacecraft

LANDSAT

Data Centers

Chesapeake Bay Program (CBP)

National Climate Information Disc--Volume I, on CD-ROM

Coverage Dates: 1895-01-01 to 1989-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Palmer Drought Tapes and Crop Moisture Index Maps

Coverage Dates: 1931-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

SMMR Snow Data at Pilot Land Data System

Coverage Dates: 1978-11-01 to 1987-08-31

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

Pilot Land Data System (PLDS), NASA

Time Bias Corrected Divisional Temperature/Precipitation Drought Index, and Temperature/Precipitation Normals for North American Climatic Divisions

Coverage Dates: 1895-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

World WeatherDisc, Climate Data for the Planet Earth

Coverage Dates: 1700-01-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

Weather Disc Associates, Inc. (WDAI)

Worldwide Organic Soil Carbon and Nitrogen Data, CDIAC NDP-018

Data Centers

Carbon Dioxide Information and Analysis Center (CDIAC), DOE

GEOGRAPHY AND LAND COVER> SURFACE VEGETATION

Cloud-free and Low Cloud Cover Landsat MSS Scenes of The UK and Other Selected Areas

Coverage Dates: 1972-07-23 to Present

Source/Spacecraft

LANDSAT

Sensor/Instrument

MSS (MULTISPECTRAL SCANNER)

Data Centers

Earth Observation Data Center (EODC), RAE

Cloud-free and Low Cloud Cover Landsat TM Scenes of The UK and Other Selected Areas

Coverage Dates: 1982-07-16 to Present

Source/Spacecraft

LANDSAT

Sensor/Instrument

TM (THEMATIC MAPPER)

Data Centers

Earth Observation Data Center (EODC), RAE

Cloud-free and Low Cloud Cover SPOT Scenes of The UK and Other Selected Areas

Coverage Dates: 1986-02-22 to Present

Source/Spacecraft

SPOT-1

Sensor/Instrument

HRV (HIGH RESOLUTION VISIBLE INSTRUM)

Data Centers

Earth Observation Data Center (EODC), RAE

Conterminous U.S. AVHRR BI-Weekly Composites

Coverage Dates: 1990-03-02 to Present

Source/Spacecraft

NOAA POES

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

Earth Resources Observation System (EROS)

Daily Vegetation Index (old) Tapes from NOAA Series Radiometers (AVHRR)

Coverage Dates: 1982-05-10 to 1985-04-01

Source/Spacecraft

NOAA POES

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

Satellite Data Services Division (SDSD), NOAA

Geochemical Data on Rocks, Soils, Minerals, and Plants from the UGS, Denver, Colorado

Data Centers

Earth Science Data Directory (ESDD), USGS

GISS Global Vegetation Data Set

Coverage Dates: 1960-01-01 to 1979-12-01

Data Centers

Goddard Institute for Space Studies (GISS)

GISS Global Wetlands Data Set

Coverage Dates: 1971-01-01 to 1981-12-31

Data Centers

Goddard Institute for Space Studies (GISS)

National Climatic Data Center (NCDC), NOAA

Global Digital Data Bases of Vegetation and Land Use

Data Centers

Goddard Institute for Space Studies (GISS)

National Center for Atmospheric Research (NCAR)

Global Paleoclimatic Data for 6000 yr B.P., CDIAC NDP-011

Data Centers

Carbon Dioxide Information and Analysis Center (CDIAC)

Global Vegetation Data Set

Coverage Dates: 1960-01-01 to 1979-12-31

Source/Spacecraft

AIRCRAFT

FIELD SURVEYS

LANDSAT-5

Sensor/Instrument

RADIOMETER

Data Centers

Goddard Institute for Space Studies (GISS)

NASA Climatic Data System (NCDS)

Gridded Radiance Data (STRT) from Nimbus-7 ERB and THIR

Coverage Dates: 1978-11-16 to 1980-01-30

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

ERB (EARTH RAD. BUDGET INSTRUMENTS)

TEMP HUMIDITY INFRARED RAD.

Data Centers

National Space Science Data Center (NSSDC), NASA

**Growth and Chemical Responses to CO₂ Enrichment - Virginia Pine (Pinus Virginiana Mill.)
CDIAC NDP-009**

Coverage Dates: 1982-06-28 to 1982-10-29

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE

LANDSAT Fly Over Land Use Data for the Chesapeake Basin

Coverage Dates: 1977-04-01 to 1979-06-01

Source/Spacecraft

LANDSAT

Data Centers

Chesapeake Bay Program (CBP)

**Major World Ecosystem Complexes Ranked by Carbon in Live Vegetation: A Data Base,
CDIAC NDP-017**

Data Centers

Carbon Dioxide Information and Analysis Center (CDIAC), DOE

Monthly Maximum Normalized Difference Vegetation Index

Coverage Dates: 1983-07-12 to 1984-06-15

Source/Spacecraft

NOAA-7

NOAA-9

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

Goddard Institute for Space Studies (GISS)

National Climate Information Disc--Volume I, on CD-ROM

Coverage Dates: 1895-01-01 to 1989-12-31

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Palmer Drought Tapes and Crop Moisture Index Maps

Coverage Dates: 1931-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

SMMR Microwave Vegetation Index Data at Pilot Land Data System

Coverage Dates: 1979-01-01 to 1979-12-31

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

Pilot Land Data System (PLDS), NASA

**Stacked Normalized Vegetation Index (weekly composites) Derived from NOAA-Series
AVHRR Data**

Coverage Dates: 1985-04-01 to present

Source/Spacecraft

NOAA POES

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

Satellite Data Services Division (SDSD), NOAA

Stacked Normalized Vegetation Index Tapes from NOAA Series Radiometers (AVHRR)

Coverage Dates: 1982-05-10 to 1985-04-01

Source/Spacecraft

NOAA POES

Sensor Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

Satellite Data Services Division (SDSD), NOAA

Time Bias Corrected Divisional Temperature/Precipitation Drought Index, and Temperature/Precipitation Normals for North American Climatic Divisions

Coverage Dates: 1895-01-01 to Present

Source/Spacecraft

GROUND STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

Tree Ring Chronology Indexes and Reconstructions of Precipitation in Central Iowa, USA, CDIAC NDP-002

Coverage Dates: 1680-01-01 to 1979-01-01

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE

Vegetation Index (new) Derived from NOAA Series Radiometers (AVHRR) - Weekly Polar Stereographic Arrays

Coverage Dates: 1985-09-01 to Present

Source/Spacecraft

NOAA POES

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

Satellite Data Services Division (SDSD), NOAA

Vegetation Index (old) Derived from NOAA Series Radiometers (AVHRR) - Weekly Composites Combines on Tape (Stacked)

Coverage Dates: 1982-05-10 to 1985-04-01

Source/Spacecraft

NOAA POES

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

Satellite Data Services Division (SDSD), NOAA

Vegetation Index Daily and Weekly Data Derived from NOAA-Series AVHRR

Coverage Dates: 1985-04-01 to present

Source/Spacecraft

NOAA POES

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

Satellite Data Services Division (SDSD), NOAA

Vegetation Index (old) Weekly Composites from NOAA Series Radiometers (AVHRR)

Coverage Dates: 1982-05-10 to 1985-04-01

Source/Spacecraft

NOAA POES

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

Satellite Data Services Division (SDSD), NOAA

Vegetation Index Weekly Mercator Arrays Derived from NOAA Series AVHRR Data

Coverage Dates: 1985-09-01 to Present

Source/Spacecraft

NOAA POES

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

Satellite Data Services Division (SDSD), NOAA

SECTION 5
OCEAN COMPOSITION

OCEAN COMPOSITION>CHLOROPHYLL

Calibrated Upwelling Radiance Data from the Space Shuttle Ocean Color Experiment (OCE)

Coverage Dates: 1981-11-12 to 1981-11-14

Source/Spacecraft

STS-2

Sensor/Instrument

OCEAN COLOR EXPERIMENT

Data Centers

National Space Science Data Center (NSSDC), NASA

Coastal Zone Color Scanner (CZCS) Compressed Earth Imagery Gridded Data Sets (CGDS)

Coverage Dates: 1978-10-24 to 1986-06-23

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

CZCS (COASTAL ZONE COLOR SCANNER)

Data Centers

Satellite Data Services Division (SDSD), NOAA

Coastal Zone Color Scanner (CZCS) Level II Digital Data

Coverage Dates: 1978-10-24 to 1986-06-23

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

CZCS (COASTAL ZONE COLOR SCANNER)

Data Centers

Satellite Data Services Division (SDSD), NOAA

Coastal Zone Color Scanner (CZCS) Level II Photographic Print Imagery

Coverage Dates: 1978-10-24 to 1986-06-23

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

CZCS (COASTAL ZONE COLOR SCANNER)

Data Centers

Satellite Data Services Division (SDSD), NOAA

Marine Chemistry (F069) from In-Situ Samples

Coverage Dates: 1972-12-03 to Present

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Oceanographic Data Center (NODC), NOAA

Physical and Chemical Characteristics of Water Column - Water Physics and Chemistry (F004)

Coverage Dates: 1920-09-07 to 1985-12-12

Source/Spacecraft

SHIPS/BUOYS

Data Centers

National Oceanographic Data Center (NODC), NOAA

Ocean Chlorophyll & Nutrients Data Set from NODC

Coverage Dates: 1978-11-01 to 1980-06-01

Data Centers

National Oceanographic Data Center (NODC), NOAA

Primary Productivity (F029) from In-Situ Samples

Coverage Dates: 1958-07-01 to Present

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Oceanographic Data Center (NODC), NOAA

Radiances and Pigment Concentration from the Nimbus-7 Coastal Zone Color Scanner (CZCS)

Coverage Dates: 1978-10-24 to 1986-06-23

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

CZCS (COASTAL ZONE COLOR SCANNER)

Data Centers

NASA Climate Data System (NCDS)

Satellite Data Services Division (SDSD), NOAA

Scripps Archive NIMBUS-7 Coastal Zone Color Scanner Level 0 Radiance

Coverage Dates: 1979-02-15 to 1986-06-16

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

CZCS (COASTAL ZONE COLOR SCANNER)

Data Centers

National Climatic Data Center (NCDC), NOAA

Scripps Satellite Facility

University of Miami NIMBUS-7 CZCS Data (Level 1)

Coverage Dates: 1978-10-24 to 1986-06-23

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

CZCS (COASTAL ZONE COLOR SCANNER)

Data Centers

University of Miami (UM)

**West Coast Time Series Coastal Zone Color Scanner Pigment Concentration from the
NIMBUS-7**

Coverage Dates: 1979-02-15 to 1986-06-16

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

CZCS (COASTAL ZONE COLOR SCANNER)

Data Centers

NASA Ocean Data System (NODS)

SECTION 6
OCEAN DYNAMICS

OCEAN DYNAMICS>CURRENTS

Arctic Ice Dynamics Joint Experiment (AIDJEX) Wind, Current and Camp Position Data from NSIDC

Coverage Dates: 1975-04-11 to 1975-07-31

Source/Spacecraft

GROUND OBSERVATIONS (OBSERVATORIES - SOLAR/GROUND)

Data Centers

National Snow and Ice Data Center (NSIDC)

Climatic Study of the Near Coastal Zone

Coverage Dates: 1854-01-01 to 1986-06-30

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Equatorial Atlantic Oceanographic Data Sets (SEQUAL/FOCAL)

Coverage Dates: 1980-01-01 to 1985-12-31

Source/Spacecraft

BUOY (SHIP/BUOYS)

OCEAN BASED (OCEAN PLATFORMS)

SHIPS/BUOYS

Sensor/Instrument

CTD (SALINITY/TEMP/DEPTH (CTD/STD))

CURRENT METERS (CURRENT METER)

PRESSURE GAUGES (PRESSURE GAUGES)

WIND RECORDERS (ANEMOMETER)

XBT (BATHYTHERMOGRAPHS)

Data Centers

National Oceanographic Data Center (NODC), NOAA

Fleet Numerical Oceanography Center's Analyses

Coverage Dates: 1979-01-01 to Present

Data Centers

National Center for Atmospheric Research (NCAR)

NASA Climate Data System (NCDS)

First Global GARP Experiment (FGGE) Operational Year Global Ocean Data Base

Coverage Dates: 1978-09-01 to 1980-02-28

Source/Spacecraft

OCEAN PLATFORMS

SHIP/BUOYS

Sensor/Instrument

SALINITY/TEMP/DEPTH (CTD/STD)

CURRENT METER

BATHYTHERMOGRAPHS

Data Centers

National Oceanographic Data Center (NODC), NOAA

GARP Atlantic Tropical Experiment (GATE)

Coverage Dates: 1974-06-17 to 1974-09-23

Source/Spacecraft

AIRCRAFT

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

SMS

Data Centers

National Climatic Data Center (NCDC), NOAA

GEOS-3 Altimeter Geophysical Data Record

Coverage Dates: 1975-04-14 to 1978-12-01

Source/Spacecraft

GEOS-3

Sensor/Instrument

ALT (ALTIMETERS/RADAR ALTIMETERS)

Data Centers

NASA Ocean Data System (NODS)

Gridded Data Based on the Fleet Numerical Oceanography Center (FNOC) 12-Hour Forecasts

Coverage Dates: 1979-01-01 to 1987-01-01

Data Centers

National Center for Atmospheric Research (NCAR)

NASA Climate Data System (NCDS)

Historical Tsunami Data Base from NGDC - Includes Earthquake Information

Data Centers

National Geographic Data Center (NGDC), NOAA

IGOSS Sea Level Program in the Pacific

Coverage Dates: 1986-06-01 to Present

Sensor/Instrument

TIDE GAUGES

Data Centers

University of Hawaii (UH)

Meteorological and Oceanographical Data from the First Global GARP Experiment (FGGE)

Coverage Dates: 1978-12-01 to 1979-11-30

Source/Spacecraft

AIRCRAFT
BALLONS
SHIP/BUOYS
GMS
GOES-2
GROUND STATIONS
METEOSAT
NIMBUS-7
NOAA-5
NOAA-6
TIROS-N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)
DROPSONDE
ERB (EARTH RAD. BUDGET INSTRUMENTS)
LIMS (LIMS INFRARED MONITOR)
RADIOSONDE
SMMR (SCAN MULTICHANNEL M/WAVE RAD.)
TOVS (TIROS OPER VERTICAL SOUNDER)
VTPR (VERTICAL TEMP PROFILE RAD.)

Data Centers

National Center for Atmospheric Research (NCAR)
NASA Climate Data System (NCDS)

Nearshore Sediment Transport Study - the Torrey Pines Experiment and the Santa Barbara Experiment

Coverage Dates: 1978-11-24 to 1981-02-28

Source/Spacecraft

BEDLOAD SENSOR
CURRENT METERS
GEOMAGNETIC ELECTROKINETOGRAPH (ELECTROKINETOGRAPHS)
PRESSURE SENSORS
SAS (SIO SHELF AND STORE SYSTEM)
SEDIMENT METER
WATER LEVEL GAUGES
WAVE HEIGHT PROBES

Data Centers

National Oceanographic Data Center (NODC)

Ocean Current Measurements from Current Meter Data (Resultants) (F005)

Coverage Dates: 1973-08-23 to Present

Source/Spacecraft

OCEAN BASED (OCEAN PLATFORMS)

Sensor/Instrument

CURRENT METERS

Data Centers

National Oceanographic Data Center (NODC), NOAA

Ocean Surface Currents Based on Ship Drift

Coverage Dates: 1850-01-01 to 1974-12-31

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Oceanographic Data Center (NODC), NOAA

Oceanographic Data of Alaska from U AK- Fairbanks, Inst. of Marine Science

Coverage Dates: 1964-01-01 to Present

Data Centers

University of Alaska at Fairbanks

Physical and Chemical Characteristics of Water Column - Water Physics and Chemistry (F004)

Coverage Dates: 1920-09-07 to 1985-12-12

Source/Spacecraft

SHIPS/BUOYS

Data Centers

National Oceanographic Data Center (NODC), NOAA

SEASAT Altimeter Sensor and Geophysical Data Records: Sea Surface Height, Satellite Height with respect to the Reference Ellipsoid, Wind Speed, Wave Height

Coverage Dates: 1978-07-07 to 1978-10-10

Source/Spacecraft

SEASAT

Sensor/Instrument

ALT (ALTIMETER/RADAR ALTIMETERS)

Data Centers

NASA Ocean Data System (NODS)

Surface Current and Meteorological Data from Drifting Buoys (F156)

Coverage Dates: 1975-09-13 to Present

Source/Spacecraft

BUOY (SHIP/BUOY)

OCEAN BASED (OCEAN PLATFORMS)

Sensor/Instrument

DROGUES

Data Centers

National Oceanographic Data Center (NODC), NOAA

Surface Marine Observations, Marine Atlas Data, Marine Climatological Summaries, Coastal Marine Area Summary, Marine Climatic Atlas

Coverage Dates: 1800-01-01 to Present

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

The Genesis of Atlantic Lows Experiment (GALE), on CD-ROM

Coverage Dates: 1986-01-15 to 1986-03-15

Source/Spacecraft

AIRCRAFT
GROUND STATIONS
NOAA-9
RADIOSONDE STATIONS
SHIP/BUOYS

Data Centers

GALE, ERICA Data Center, Drexel University (GDCEDC)
NASA Climate Data System (NCDS)
University of Washington, Seattle (UWA)

Thermal Analysis Charts of the Cyclonic Gulf Stream Frontal Zone

Coverage Dates: 1978-10-19 to Present

Source/Spacecraft

NOAA POES

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

National Climatic Data Center (NCDC), NOAA

Tsunami Data Base from NGDC - Includes Earthquake Information

Data Centers

National Geophysical Data Center (NGDC), NOAA

Time Series Directional Ocean Current Data - Current Meter Data (Components) (F015)

Coverage Dates: 1962-09-30 to Present

Source/Spacecraft

OCEAN BASED (OCEAN PLATFORMS)

Sensor/Instrument

CURRENT METERS

Data Centers

National Oceanographic Data Center (NODC), NOAA

Time Series Meteorology and Wave Spectra (F191) Data from NOAA Buoys

Coverage Dates: 1970-02-26 to Present

Source/Spacecraft

BUOY (SHIP/BUOY)
OCEAN BASED (OCEAN PLATFORMS)

Data Centers

National Oceanographic Data Center (NODC), NOAA

OCEAN DYNAMICS>SEA ICE

A Mosaic of the Antarctic Created from AVHRR Images

Coverage Dates: 1980-10-31 to 1987-01-29

Source/Spacecraft

NOAA POES

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

Earth Observation Data Center (EODC), RAE

AFOS Disseminating Meteorological/Hydrological Data: PIREP, AIRMET, SIGMET, and Other Forecasts/Advisories/Warnings, also SRRS

Coverage Dates: 1983-07-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Sensor/Instrument

RADAR

Data Centers

National Climatic Data Center (NCDC), NOAA

Alaska Glacier Data from the USGS, Fairbanks, Alaska

Coverage Dates: 1961-01-01 to 1988-01-01

Data Centers

Earth Science Data Directory (ESDD), USGS

Arctic Aerial Survey of Whales and Marine Mammals from the National Marine Mammal Laboratory

Coverage Dates: 1975-01-01 to 1979-01-01

Data Centers

Earth Science Data Directory (ESDD), USGS

Arctic Drifting Stations 1893-1973

Coverage Dates: 1893-01-01 to 1973-12-31

Source/Spacecraft

DRIFTING BUOYS (SHIP/BUOYS)

ICE ISLANDS (DRIFTING ICE PLATFORMS)

SHIPS/BUOYS

Data Centers

National Snow and Ice Data Center (NSIDC)

Arctic Ice Dynamics Joint Experiment (AIDJEX) Sonar Ice Profile

Coverage Dates: 1976-04-07 to 1976-04-10

Source/Spacecraft

SHIP/BUOYS

Sensor/Instrument

SONAR

Data Centers

National Snow and Ice Data Center (NSIDC)

Arctic Ice Dynamics Joint Experiment (AIDJEX) Wind, Current and Camp Position Data from NSIDC

Coverage Dates: 1975-04-11 to 1975-07-31

Source/Spacecraft

GROUND OBSERVATIONS (OBSERVATORIES - SOLAR/GROUND)

Data Centers

National Snow and Ice Data Center (NSIDC)

Arctic Sea Ice Limit 1901-1956 from NSIDC

Coverage Dates: 1901-01-01 to 1956-12-31

Source/Spacecraft

AIRBORNE (AIRCRAFT)

SHIP/BUOYS

Data Centers

National Snow and Ice Data Center (NSIDC)

Arctic Ocean Drifting Buoy Data

Coverage Dates: 1979-01-19 to Present

Source/Spacecraft

DRIFTING BUOY (SHIP/BOUYS)

Sensor/Instrument

BAROMETER (PRESSURE GAUGES)

THERMOMETER

Data Centers

National Snow and Ice Data Center (NSIDC)

Brightness Temperature and Sea Ice Concentration from NIMBUS-7 SMMR 37 GHz Horizontal Polarization (PARM-30, MAP30)

Coverage Dates: 1978-10-29 to 1985-10-29

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

National Space Science Data Center (NSSDC), NASA

Defense Meteorological Satellite Program (DMSP) Operational Linescan System (OLS) Imagery

Coverage Dates: 1973-01-01 to Present

Source/Spacecraft

DMSP (DMSP)

Sensor/Instrument

OLS (OPERATIONAL LINESCAN SYSTEM)

Data Centers

National Snow and Ice Data Center (NSIDC)

Digital Maps of Polar Sea Ice Concentration & Brightness Temperature from NIMBUS-5 ESMR

Coverage Dates: 1973-01-01 to 1976-12-31

Source/Spacecraft

NIMBUS-5

Sensor/Instrument

ESMR (ELECT. SCANNING M/WAVE RAD)

Data Centers

National Climatic Data Center (NCDC), NOAA

National Space Science Data Center (NSSDC), NASA

Earthnet Programme Office NOAA-TIROS AVHRR and TOVS Data

Coverage Dates: 1978-11-06 to Present

Source/Spacecraft

NOAA-10

NOAA-11

NOAA-6

NOAA-7

NOAA-8

NOAA-9

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

TOVS (TIROS OPER VERTICAL SOUNDER)

Data Centers

Earthnet Programme Office (EPO), ESA

Electrically Scanning Microwave Radiometer (ESMR) Brightness Temperatures and Derived Sea Ice Concentrations from NSIDC

Coverage Dates: 1973-01-01 to 1976-12-31

Source/Spacecraft

NIMBUS-5 (NIMBUS-5)

Sensor/Instrument

ESMR (ELECT. SCANNING M/WAVE RAD)

Data Centers

National Snow and Ice Data Center (NSIDC)

GEOSAT Geophysical Data Records for the Exact Repeat Mission

Coverage Dates: 1986-11-08 to Present

Source/Spacecraft

GEOSAT

Sensor/Instrument

ALT (ALTIMETERS/RADAR ALTIMETERS)

Data Centers

National Oceanographic Data Center (NODC), NOAA

GEOSAT Exact Repeat Mission Land/Ice Geophysical Data Records

Coverage Dates: 1987-03-07 to Present

Source/Spacecraft

GEOSAT

Sensor/Instrument

ALT (ALTIMETERS/RADAR ALTIMETERS)

Data Centers

National Snow and Ice Data Center (NSIDC)

Global Cloud Data from the International Satellite Cloud Climatology Project (ISCCP-C)

Coverage Dates: 1983-07-01 to Present

Source/Spacecraft

GMS-1
GMS-2
GMS-3
GOES-5
GOES-6
METEOSAT-2
NOAA-10
NOAA-7
NOAA-8
NOAA-9

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)
MIR (MULTISPECTRAL IMAGING RAD.)
TOVS (TIROS OPER VERTICAL SOUNDER)
VAS (VISSR OPER VERTICAL SOUNDER)

Data Centers

National Climatic Data Center (NCDC), NOAA
NASA Climate Data System (NCDS)

Global Surface Boundary State from U of Illinois - SST, Sea Ice Concentration and Snow Cover

Coverage Dates: 1972-01-01 to 1986-01-01

Data Centers

Earth Science Data Directory (ESDD), USGS

Gridded Radiance Data (STRT) from NIMBUS-7 ERB and THIR

Coverage Dates: 1978-11-16 to 1980-01-30

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

ERB (EARTH RAD. BUDGET INSTRUMENTS)
THIR (TEMP. HUMIDITY INFRARED RAD.)

Data Centers

National Space Science Data Center (NSSDC), NASA

Ice Core Data from the Byrd Polar Research Center

Data Centers

Byrd Polar Research Center, Ohio State University (BPRC)
Earth Science Data Directory (ESDD), USGS

International Ice Patrol Iceberg Data 1960 - Present

Coverage Dates: 1960-01-01 to Present

Source/Spacecraft

AIRCRAFT
DRILLING PLATFORM
SHIP/BUOYS

Sensor/Instrument

SLAR (IMAGING RADAR SYSTEMS)

Data Centers

National Snow and Ice Data Center (NSIDC)

International Ice Patrol TIROS Drifter Iceberg Tracking Data from NGDC

Coverage Dates: 1983-01-01 to 1984-01-01

Source/Spacecraft

DRIFTING PLATFORMS (SHIP/BUOYS)

TIROS ARCTIC DRIFTERS (DRIFTING ICE PLATFORMS)

Data Centers

National Geophysical Data Center (NGDC), NOAA

LANDSAT Series MSS, RBV and TM Data

Coverage Dates: 1972-01-01 to Present

Source/Spacecraft

LANDSAT

LANDSAT-1

LANDSAT-2

LANDSAT-3

LANDSAT-4

LANDSAT-5

Sensor/Instrument

MSS (MULTISPECTRAL SCANNER)

RBV (RETURN BEAM VIDICON)

TM (THEMATIC MAPPER)

Data Centers

Earthnet Programme Office (EPO), ESA

Mapped Sea Surface Parameters (MATRIX-SS) from NIMBUS-7 SMMR - Includes SST, Ice Sheet Temp

Coverage Dates: 1978-10-30 to 1982-10-31

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

National Space Science Data Center (NSSDC), NASA

Mapped Sea Surface Parameters (MAP-SS & PARM-SS) from NIMBUS-7 SMMR - Includes SST, Wind, Snow, Ice

Coverage Dates: 1978-10-30 to 1985-10-25

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

National Space Science Data Center (NSSDC), NASA

National Meteorological Center/Climate Analysis Center Arctic and Antarctic Sea Ice 1973-1982

Coverage Dates: 1973-01-31 to 1982-04-30

Data Centers

National Snow and Ice Data Center (NSIDC)

Navy-NOAA Joint Ice Center Weekly Sea Ice Concentration and Extent - Arctic and Antarctic

Coverage Dates: 1972-01-03 to Present

Data Centers

National Snow and Ice Data Center (NSIDC)

Northern Hemisphere Sea Ice Concentration 1956 - 1977 from NSIDC

Coverage Dates: 1956-01-01 to 1977-12-31

Data Centers

National Snow and Ice Data Center (NSIDC)

Polar Waveform Data Reference Set from Seasat Altimeter Sensor Data Record

Coverage Dates: 1978-07-24 to 1978-08-11

Source/Spacecraft

SEASAT (SEASAT)

Sensor/Instrument

ALT (ALTIMETERS/RADAR ALTIMETERS)

Data Centers

Earth Observation Data Centre (EODC), RAE

SAR Reference Data Set Catalogue - North Atlantic Seasat SAR Images Analyzed for Ocean Surface Characteristics, from EODC

Coverage Dates: 1978-08-04 to 1978-09-30

Source/Spacecraft

SEASAT

Sensor/Instrument

SAR (IMAGING RADAR SYSTEMS)

Data Centers

Earth Observation Data Centre (EODC), RAE

Scanning Multichannel Microwave Radiometer (SMMR) Brightness Temperature (Tb) Grids on CD-ROM from NSIDC

Coverage Dates: 1978-10-29 to 1980-01-31

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

National Snow and Ice Data Center (NSIDC)

Sea Ice Database

Coverage Dates: 1972-01-01 to Present

Data Centers

National Climatic Data Center (NCDC), NOAA

Sea Ice Drift: Bering Air-Sea-Ice 1981, 1982; MIZEX West 1983; Arctic Polynya Experiment Bering Sea 1985; Bering Sea 1987

Source/Spacecraft

BUOYS (SHIP/BUOYS)

Data Centers

National Snow and Ice Data Center (NSIDC)

SEASAT Altimeter Gridded Elevation Data

Coverage Dates: 1978-07-07 to 1978-10-10

Source/Spacecraft

SEASAT

Sensor/Instrument

ALTIMETERS

Data Centers

NASA Climate Data Center (NCDS)

World Data Center-A (WDC-A)

SEASAT Scanning Multichannel Microwave Radiometer (SMMR) Geophysical Data Record Geophysical File

Coverage Dates: 1978-07-07 to 1978-10-09

Source/Spacecraft

SEASAT

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

Satellite Data Services Division (SDSD), NOAA

SEASAT Scanning Multichannel Microwave Radiometer (SMMR) Geophysical Data Record - Geophysical Files and Sensor Files

Coverage Dates: 1978-07-07 to 1978-10-09

Source/Spacecraft

SEASAT

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

Satellite Data Services Division (SDSD), NOAA

SEASAT Scanning Multichannel Microwave Radiometer (SMMR) and Scatterometer (SASS) Gridded Polar Statistics

Coverage Dates: 1978-07-07 to 1978-10-10

Source/Spacecraft

SEASAT

Sensor/Instrument

SASS (SEASAT-A SCATTEROMETER SYSTEM)

SMMR (SCAN MULTICAHNNEL M/WAVE RAD.)

Data Centers

NASA Ocean Data System (NODS)

Southern Hemisphere Ice Limits, 1973-1978 from NSIDC

Coverage Dates: 1973-01-01 to 1978-06-30

Data Centers

National Snow and Ice Data Center (NSIDC)

Special Sensor Microwave/Imager (SSM/I) Sea Ice Data on CD-ROM at NSIDC

Coverage Dates: 1987-07-09 to Present

Source/Spacecraft

DMSP

Sensor/Instrument

SSM/I (SPECIAL SENSOR MICROWAVE/IMAGER)

Data Centers

National Snow and Ice Data Center (NSIDC)

**Surface Marine Observations, Marine Atlas Data, Marine Climatological Summaries,
Coastal Marine Area Summary, Marine Climatic Atlas**

Coverage Dates: 1800-01-01 to Present

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

OCEAN DYNAMICS>TEMPERATURE

AFOS Disseminating Meteorological/Hydrological Data: PIREP, AIRMET, SIGMET, and Other Forecasts/Advisories/Warnings, also SRRS

Coverage Dates: 1983-07-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Sensor/Instrument

RADAR

Data Centers

National Climatic Data Center (NCDC), NOAA

Benthic Organism Data (F132) from Field Samples

Coverage Dates: 1957-06-19 to Present

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Oceanographic Data Center (NODC), NOAA

Carbonate Chemistry of the North Pacific Ocean, CDIAC NDP-029

Coverage Dates: 1979-04-01 to 1982-06-29

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC)

Carbonate Chemistry of the Weddell Sea, CDIAC NDP-028

Coverage Dates: 1981-10-09 to 1981-11-25

Source/Spacecraft

SOMOV SOVIET ICEBREAKER SHIP

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC)

Climate Analysis Center's Sea Surface Temperature, In Situ and Blended with AVHRR

Coverage Dates: 1970-01-01 to Present

Source/Spacecraft

NOAA POES

SHIP/BUOYS

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

NASA Climate Data System (NCDS)

National Oceanographic Data Center (NODC), NOAA

Climatic Study of the Near Coastal Zone

Coverage Dates: 1854-01-01 to 1986-06-30

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatic Summaries for NOAA Data Buoys

Coverage Dates: 1972-01-01 to 1981-01-01

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatological Atlas of the World Ocean - Subsurface Ocean Climatology

Coverage Dates: 1900-01-01 to 1978-03-31

Source/Spacecraft

SHIPS/BUOYS

Sensor/Instrument

CTD (SALINITY/TEMP/DEPTH (CTD/STD))

NANSEN BOTTLES (NANSEN MULTI-BOTTLE WATER SAMP.)

XBT (BATHYTHERMOGRAPHS)

Data Centers

National Oceanographic Data Center (NODC), NOAA

Climatological Data National Summary

Coverage Dates: 1950-01-01 to 1980-12-31

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

RAWINSONDE STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Comprehensive Ocean-Atmosphere Data Set (COADS) Character-Formatted Long Marine Reports

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Climatic Data Center (NCDC), NOAA

Comprehensive Ocean-Atmosphere Data Set (COADS) Compressed Marine Reports

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Center for Atmospheric Research (NCAR)

Comprehensive Ocean-Atmosphere Data Set (COADS) Decadal Summaries

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Center for Atmospheric Research (NCAR)

Comprehensive Ocean-Atmosphere Data Set (COADS) Long Marine Reports

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Center for Atmospheric Research (NCAR)

Comprehensive Ocean-Atmosphere Data Set (COADS) Monthly Summaries

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Center for Atmospheric Research (NCAR)

Comprehensive Ocean-Atmosphere Data Set (COADS) Monthly Summary Trimmed Groups

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Center for Atmospheric Research (NCAR)

Comprehensive Ocean-Atmosphere Data Set (COADS) Monthly Summary Untrimmed Groups

Coverage Dates: 1854-01-01 to 1979-12-31

Source/Spacecraft

SURFACE (GROUND STATIONS)

Sensor/Instrument

SHIPS/BUOYS/MOORINGS (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Center for Atmospheric Research (NCAR)

Compressed (Low-resolution) Conductivity-Temperature-Depth/Salinity-Temperature-Depth (CTD/STD) Data (C022)

Coverage Dates: 1967-01-25 to Present

Source/Spacecraft

SHIP/BUOYS

Sensor/Instrument

OTD (SALINITY/TEMP/DEPTH (CTD/STD))

STD (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Oceanographic Data Center (NODC), NOAA

Conductivity/Salinity temperature Depth (CTD/STD) Observations (F022)

Coverage Dates: 1967-01-25 to Present

Source/Spacecraft

SHIP/BUOYS

Sensor/Instrument

CTD (SALINITY/TEMP/DEPTH (CTD/STD))

STD (SALINITY/TEMP/DEPTH (CTD/STD))

Data Centers

National Oceanographic Data Center (NODC), NOAA

Digitized Isopleths of the World-Volume IX, North Atlantic Atlas Contours--Volume 1

Coverage Dates: 1850-01-01 to 1970-12-31

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Equatorial Atlantic Oceanographic Data Sets (SEQUAL/FOCAL)

Coverage Dates: 1980-01-01 to 1985-12-31

Source/Spacecraft

BUOY (SHIP/BUOYS)

OCEAN BASED (OCEAN PLATFORMS)

SHIP (SHIP/BUOYS)

Sensor/Instrument

CTD (SALINITY/TEMP/DEPTH (CTD/STD))

CURRENT MENTERS

PRESSURE GAUGES

WIND RECORDERS (ANEMOMETER)

XBT (BATHYTHERMOGRAPHS)

Data Centers

National Oceanographic Data Center (NODC), NOAA

Expendable Bathythermograph (XBT) Data Ocean Temperature Profile Data

Coverage Dates: 1965-08-24 to Present

Source/Spacecraft

SHIP/BUOYS

Sensor/Instrument

XBT (BATHYTHERMOGRAPHS)

Data Centers

National Oceanographic Data Center (NODC), NOAA

Experiment on Rapidly Intensifying Cyclones Over the Atlantic (ERICA) Field Study, on CD-ROM

Coverage Dates: 1988-12-01 to 1989-02-26

Source/Spacecraft

AIRCRAFT

GOES-6

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BOUYS

Data Centers

GALE, ERICA Data Center, Drexel University (GDCEDC)

NASA Climate Data System (NCDS), NOAA

Fleet Numerical Oceanography Center's Analyses

Coverage Dates: 1979-01-01 to Present

Data Centers

National Center for Atmospheric Research (NCAR)

NASA Climate Data System (NCDS)

GARP Atlantic Tropical Experiment (GATE)

Coverage Dates: 1974-06-17 to 1974-09-23

Source/Spacecraft

AIRCRAFT

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

SMS

Data Centers

National Climatic Data Center (NCDC), NOAA

Global and Hemispheric annual Temperature Variations Between 1861 and 1984, CDIAC NDP-022

Coverage Dates: 1861-01-01 to 1984-01-01

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC), DOE

Global Photographic Displays of Sea Surface Temperature (Quality Control Image (Global/Climatic))

Coverage Dates: 1976-04-01 to 1980-01-01

Source/Spacecraft

NOAA POES

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

Satellite Data Services Division (SDSD), NOAA

Gridded Data Based on the fleet Numerical Oceanography Center(FNOC) 12-Hour Forecasts

Coverage Dates: 1979-01-01 to 1987-01-01

Data Centers

National Center for Atmospheric Research (NCAR)

National Climatic Data Center (NCDC), NOAA

Hawaii-Tahiti Norpax

Coverage Dates: 1973-01-01 to 1980-12-31

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Hellerman Wind Stress Data Set

Coverage Dates: 1870-01-01 to 1976-12-31

Source/Spacecraft

SHIP/BUOYS

Data Centers

NASA Climate Data System (NCDS), NOAA

Land/Ocean Parameters from NIMBUS-7 SMMR (PARM-LO, MAP-LO, and PARMAP)

Coverage Dates: 1978-10-30 to 1988-06-01

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

National Climate Data System (NCDS)

National Space Science Data Center (NSSDC), NASA

Levitus Climatologies

Coverage Dates: 1900-01-01 to 1978-12-31

Source/Spacecraft

SHIP/BUOYS

Sensor/Instrument

MBT (BATHYTHERMOGRAPHS)

XBT (BATHYTHERMOGRAPHS)

Data Centers

NASA Climate Data System (NCDS), NOAA

Mapped Ocean and Land Parameters (MATRIX-LO) from NIMBUS-7 SMMR - Includes Wind Speed, SST, H2O

Coverage Dates: 1978-10-30 to 1982-10-31

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

National Space Science Data Center (NSSDC), NASA

Mapped Sea Surface Parameters (MATRIX-SS) from NIMBUS-7 SMMR - Includes SST, Ice Sheet Temp

Coverage Dates: 1978-10-30 to 1982-10-31

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

National Space Science Data Center (NSSDC), NASA

Mapped Sea Surface Parameters (MAP-SS & PARM-SS) from NIMBUS-7 SMMR - Includes SST, Winds, Snow, Ice

Coverage Dates: 1978-10-30 to 1985-10-25

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

National Space Science Data Center (NSSDC), NASA

Marine Chemistry (F069) from In-Situ Samples

Coverage Dates: 1972-12-03 to Present

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Oceanographic Data Center (NODC), NOAA

Marine Chemistry for the Southern Ocean - Southern Ocean Atlas Data

Coverage Dates: 1900-01-01 to 1975-12-31

Source/Spacecraft

SHIPS (SHIP/BUOY)

Sensor/Instrument

CTD (SALINITY/TEMP/DEPTH (CTD/STD))

NANSEN BOTTLES (NANSEN MULTI-BOTTLE WATER SAMP.)

XBT (BATHYTHERMOGRAPHS)

Data Centers

National Oceanographic Data Center (NODC), NOAA

Marine Coastal Weather Log

Coverage Dates: 1948-07-01 to Present

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Marine Toxic Substances and Pollutants (F144) from In-Situ Samples

Coverage Dates: 1970-11-05 to Present

Data Centers

National Oceanographic Data Center (NODC), NOAA

Meteorological and Oceanographical Data from the First GARP Global Experiment (FGGE)

Coverage Dates: 1978-12-01 to 1979-12-01

Source/Spacecraft

AIRCRAFT
BALLOONS
SHIP/BUOYS
GMS
GOES-2
GROUND STATIONS
METEOSAT
NIMBUS-7
NOAA-5
NOAA-6
RADIOSONDE STATIONS
SHIP/BUOYS
TIROS-N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)
CURRENT MENTERS
DROPSONDE
ERB (EARTH RAD. BUDGET INSTRUMENTS)
LIMS (LIMB INFRARED MONITOR)
SMMR (SCAN MULTICHANNEL M/WAVE RAD.)
TOVS (TIROS OPER VERTICAL SOUNDER)
VTPR (VERTICAL TEMP PROFILE RAD.)
XBT (BATHYTHERMOGRAPHS)

Data Centers

National Center for Atmospheric Research (NCAR)
National Climatic Data Center (NCDC), NOAA
NASA Climate Data System (NCDS)
National Oceanographic Data Center (NODC), NOAA

Miscellaneous Publications

Source/Spacecraft

GROUND STATIONS
SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Micropaleontology and Geochemistry of Ocean Sediment Cores Data Base from CLIMAP (18K bp) Program

Coverage Dates: 1982-09-30 to Present

Source/Spacecraft

SHIP CRUISES (SHIP/BUOYS)

Sensor/Instrument

IBT (RADIO MESSAGE BATHYTHERMOGRAPH)
MBT (BATHYTHERMOGRAPH)
SBT (SELECTED-LEVEL BATHYTHERMOGRAPH)
XBT (BATHYTHERMOGRAPHS)

Data Centers

National Geophysical Data Center (NGDC), NOAA

National Oceanographic Data Center's NODC-01

Coverage Dates: 1900-01-01 to 1988-12-31

Source/Spacecraft

SHIP/BUOYS

Sensor/Instrument

NASA Climate Data System (NCDS)

National Oceanographic Data Center (NODC), NOAA

NCAR Surface/Upper Air World Weather Records

Coverage Dates: 1741-01-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

NMC Global GTS Upper Air, Aircraft, Satellite Winds, Surface Land/Marine Radiosonde Summary, and Thermodynamic Radiosonde

Coverage Dates: 1973-01-01 to Present

Source/Spacecraft

RADIOSONDE STATIONS

RAWINSONDE STATIONS

Data Centers

National Climatic Data Center (NCDC), NOAA

NOAA Data Buoy Center (NDBC) Buoy Observations

Coverage Dates: 1972-10-01 to Present

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climate Data Center (NCDC), NOAA

North American Observational Data for July-December 1987 on CD-ROM

Coverage Dates: 1948-01-01 to 1987-12-31

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

University of Washington, Seattle (UWA)

Ocean Chlorophyll & Nutrients Data Set from NODC

Coverage Dates: 1978-11-01 to 1980-06-01

Data Centers

National Oceanographic Data Center (NODC), NOAA

Ocean Current Measurements from Current Meter Data (Resultants) (F005)

Coverage Dates: 1973-08-23 to Present

Source/Spacecraft

OCEAN BASED (OCEAN PLATFORMS)

Sensor/Instrument

CURRENT METERS

Data Centers

National Oceanographic Data Center (NODC), NOAA

Oceanographic Temperature-Depth Profiles from Mechanical Bathythermographs (MBT)

Coverage Dates: 1941-01-20 to 1986-09-30

Source/Spacecraft

SHIP/BUOYS

Sensor/Instrument

BATHYTHERMOGRAPHS

Data Centers

National Oceanographic Data Center (NODC), NOAA

Pacific Sea Surface Temperature Data (Namals-Born)

Coverage Dates: 1947-01-01 to 1981-12-31

Data Centers

National Climatic Data Center (NCDC), NOAA

Physical and Chemical Characteristics of Water Column - Water Physics and Chemistry (F004)

Coverage Dates: 1920-09-07 to 1985-12-12

Source/Spacecraft

SHIPS (SHIPS/BUOYS)

Data Centers

National Oceanographic Data Center (NODC), NOAA

Physical and Chemical Oceanographic (Station) Data Recorded at Discrete Depth Levels

Coverage Dates: 1900-01-01 to Present

Source/Spacecraft

SHIP/BUOYS

Sensor/Instruments

CTD (SALINITY/TEMP/DEPTH (CTD/STD))

NAUSEN (NANSEN MULTI-BOTTLE WATER SAMP.)

OTD (SALINITY/TEMP/DEPTH/ (CTD/STD))

Data Centers

National Oceanographic Data Center (NODC), NOAA

Pilot Chart Global Sums, Atlas, Marsden Squares

Coverage Dates: 1850-01-01 to 1970-12-31

Source/Spacecraft

SHIP/BOUYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Primary Productivity (F029) from In-Situ Data Samples

Coverage Dates: 1958-07-01 to Present

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Oceanographic Data Center (NODC), NOAA

Prabhakara's SMMR Monthly Mean Water Vapor and SMMR Information Processing Team (SIPT) Data Sets

Coverage Dates: 1978-11-01 to 1986-10-01

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

NASA Climate Data System (NCDS)

Satellite Sea Surface Temperature - Regional Charts (1 Degree Isotherms at 50 Km Resolution)

Coverage Dates: 1976-01-01 to Present

Source/Spacecraft

NOAA POES

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

National Climatic Data Center (NCDC), NOAA

Scripps Satellite Oceanography Facility Tiros-N/NOAA Level 0 Telemetry data

Coverage Dates: 1978-10-19 to Present

Source/Spacecraft

NOAA-6

NOAA-7

NOAA-8

NOAA-9

NOAA-10

TIROS-N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

HIRS/2 (HIGH RES. IR RAD. SOUNDER)

MSU (MICROWAVE SOUNDING UNIT)

SSU (STRATOSPHERIC SOUNDING UNIT)

TOVS (TIROS OPER VERTICAL SOUNDER)

Data Centers

Scripps Satellite Facility

Sea Surface Temperature 14 Km Analysis (Local-Scale) from NOAA Series AVHRR Data

Coverage Dates: 1986-01-01 to Present

Source/Spacecraft

NOAA POES

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

National Climatic Data Center (NCDC), NOAA

**Sea Surface Temperature (SST) 250 Km Monthly Mean Data from NOAA Series AVHRR
- Available from NCDC**

Coverage Dates: 1979-01-31 to Present

Source/Spacecraft

NOAA POES

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

National Climatic Data Center (NCDC), NOAA

**Sea Surface Temperature 50 Km (Regional Scale) and 500 Km analysis (Climate Scale)
from NOAA Series Radiometers**

Coverage Dates: 1974-03-01 to Present

Source/Spacecraft

NOAA POES

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

SCANNING RADIOMETER

Data Centers

National Climatic Data Center (NCDC), NOAA

**Sea Surface Temperature (SST) Data from NOAA Series AVHRR - 7-8 Day Observation
File at NCDC**

Coverage Dates: 1978-12-01 to Present

Source/Spacecraft

NOAA POES

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

National Climatic Data Center (NCDC), NOAA

**Sea Surface Temperatures Derived from TIROS-N/NOAA Advanced Very High
Resolution Radiometer (AVHRR)**

Coverage Dates: 1979-01-01 to Present

Source/Spacecraft

NOAA-10

NOAA-6

NOAA-7

NOAA-8

NOAA-9

TIROS-N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

National Climate Data Center (NCDS)

Satellite Data Services Division (SDSD), NOAA

SEASAT Scanning Multichannel Microwave Radiometer (SMMR) Geophysical Data Record Geophysical File

Coverage Dates: 1978-07-07 to 1978-10-09

Source/Spacecraft

SEASAT

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

Satellite Data Services Division (SDSD), NOAA

SEASAT Scanning Multichannel Microwave Radiometer (SMMR) Geophysical Data Record - Geophysical Files and Sensor Files

Coverage Dates: 1978-07-07 to 1978-10-09

Source/Spacecraft

SEASAT

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

Satellite Data Services Division (SDSD), NOAA

SEASAT Scanning Multichannel Microwave Radiometer (SMMR) Original Sensor and Geophysical Data Records: Sea Surface Temperature, Integrated Water Vapor, Atmos. L

Coverage Dates: 1981-10-01 to 1990-06-30

Source/Spacecraft

NOAA-10

NOAA-9

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

NASA Ocean Data System (NODS)

SEASAT SMMR Sea Surface Temperature, Wind Speed, Water Vapor, Atmospheric Liquid Water and Rain Rate (Level 2.5)

Coverage Dates: 1978-07-07 to 1978-10-10

Source/Spacecraft

SEASAT

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

National Climatic Data Center (NCDC), NOAA

NASA Oceanic Data System (NODS)

SEASAT Visible and Infrared Radiometer; Reflectance and Thermal Infrared Emission

Coverage Dates: 1978-07-07 to 1978-08-27

Source/Spacecraft

SEASAT

Sensor/Instrument

VIRR (VISIBLE AND INFRARED RADIOMETER)

Data Centers

NASA Ocean Data System (NODS)

SMMR Sea Ice Concentration

Coverage Dates: 1978-11-01 to 1987-08-31

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

NASA Climate Data System (NCDS)

Summary of Synoptic Meteorological Observations for Great Lake Areas

Coverage Dates: 1960-01-01 to 1973-12-31

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climate Data Center (NCDC), NOAA

Surface Current and Meteorological Data from Drifting Buoys (F156)

Coverage Dates: 1975-09-13 to Present

Source/Spacecraft

BUOYS

OCEAN BASED

Sensor/Instrument

DROGUES

Data Centers

National Oceanographic Data Center (NODC), NOAA

**Surface Marine Observations, Marine Atlas Data, Marine Climatological Summaries,
Coastal Marine Area Summary, Marine Climatic Atlas**

Coverage Dates: 1800-01-01 to Present

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

The Genesis of Atlantic Lows Experiment (GALE), on CDROM

Coverage Dates: 1986-01-15 to 1986-03-15

Source/Spacecraft

AIRCRAFT

GROUND STATIONS

NOAA-9

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

GALE, ERICA Data Center, Drexel University (GDCEDC)

NASA Climate Data System (NCDS), NOAA

University of Washington, Seattle (UWA)

Time Series Directional Ocean Current Data - Current Meter Data (Components) (F015)

Coverage Dates: 1962-09-30 to Present

Source/Spacecraft

OCEAN BASED (OCEAN PLATFORMS)

Sensor/Instrument

CURRENT METERS

Data Centers

National Oceanographic Data Center (NODC), NOAA

Time Series Meteorology and Wave Spectra (F191) Data from NOAA Buoys

Coverage Dates: 1970-02-26 to Present

Source/Spacecraft

BUOY (SHIP/BUOYS)

OCEAN BASED (OCEAN PLATFORMS)

Data Centers

National Oceanographic Data Center (NODC), NOAA

Transient Tracers In the Oceans (TTO) - Hydrographic Data and Carbon Dioxide Systems with Revised Carbon Chemistry Data, CDIAC NDP-004

Coverage Dates: 1981-04-01 to 1981-10-19

Source/Spacecraft

RV "KNORR"

Data Centers

Carbon Dioxide Information Analysis Center (CDIAC)

University of Miami Tiros-N/NOAA AVHRR Level 1b

Coverage Dates: 1978-10-19 to Present

Source/Spacecraft

NOAA-10

NOAA-6

NOAA-7

NOAA-8

NOAA-9

TIROS-N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

University of Miami (UM)

University of Miami Tiros-N/NOAA AVHRR Telemetry Data (Level 0)

Coverage Dates: 1978-10-19 to Present

Source/Spacecraft

NOAA-6
NOAA-7
NOAA-8
NOAA-9
TIROS-N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)
HIRS/2 (HIGH RES. IR RAD. SOUNDER)
MSU (MICROWAVE SOUNDING UNIT)
SSU (STRATOSPHERIC SOUNDING UNIT)
TOVS (TIROS OPER VERTICAL SOUNDER)

Data Centers

University of Miami (UM)

University of Miami/RSMAS Global Gridded NOAA Advanced Very High Resolution Radiometer Multichannel Sea Surface Temperature

Coverage Dates: 1981-10-01 to 1990-06-30

Source/Spacecraft

NOAA-10
NOAA-9

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

NASA Ocean Data System (NODS)

University of Rhode Island AVHRR Level 1b Inventory

Coverage Dates: 1978-10-19 to Present

Source/Spacecraft

NOAA-10
NOAA-6
NOAA-7
NOAA-8
NOAA-9
TIROS-N

Sensor/Instrument

AVHRR (ADVANCED VERY HIGH RESOL. RAD.)

Data Centers

University of Rhode Island (URI)

World Monthly Surface Station Climatology

Coverage Dates: 1731-01-01 to Present

Source/Spacecraft

GROUND STATIONS
SHIP/BUOYS

Data Centers

National Center for Atmospheric Research (NCAR)
National Climatic Data Center (NCDC), NOAA

World WeatherDisc, Climate Data for the Planet Earth

Coverage Dates: 1700-01-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

WeatherDisc Associates, Inc. (WDAI)

OCEAN DYNAMICS>WINDS

AFOS Disseminating Meteorological/Hydrological Data: PIREP, AIRMET, SIGMET, and Other Forecasts/Advisories/Warnings, also SRRS

Coverage Dates: 1983-07-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

Sensor/Instrument

RADAR

Data Centers

National Climatic Data Center (NCDC), NOAA

Army Wave Information Study--Input

Coverage Dates: 1965-05-01 to 1975-12-31

Data Centers

National Oceanic and Atmospheric Administration (NOAA)

National Environmental Satellite Data and Information Service (NESDIS), NOAA

National Geophysical Data Center (NGDC), NOAA

Atlas et al. Deallased Surface Wind Vector from the SEASAT Scatterometer

Coverage Dates: 1978-07-07 to 1978-10-10

Source/Spacecraft

SEASAT

Sensor/Instrument

SASS (SEASAT-A SCATTEROMETER SYSTEM)

Data Centers

NASA Ocean Data System (NODS)

Chelton Gridded Surface Wind Stress Vector from the SEASAT Scatterometer

Coverage Dates: 1978-07-07 to 1978-10-10

Source/Spacecraft

SEASAT

Sensor/Instrument

SASS (SEASAT-A SCATTEROMETER SYSTEM)

Data Centers

NASA Ocean Data System (NODS)

Climatic Summaries for NOAA Data Buoys

Coverage Dates: 1972-01-01 to 1981-01-01

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Climatic Study of the Near Coastal Zone

Coverage Dates: 1854-01-01 to 1986-06-30

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climate Data Center (NCDC), NOAA

Climatological Data National Summary

Coverage Dates: 1950-01-01 to 1980-12-31

Source/Spacecraft

GROUND STATIONS
RADIOSONDE STATIONS
RAWINSONDE STATIONS
SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Derived Wind Data from NOAA/NESDIS Low-Level Cloud Motion Vectors (U Hawaii)

Coverage Dates: 1975-01-01 to Present

Source/Spacecraft

GOES EAST (GOES SERIES)
GOES WEST (GOES SERIES)

Data Centers

University of Hawaii (UH)

Digitized Isopleths of the World--Volume IX, North Atlantic Atlas Contours--Volume 1

Coverage Dates: 1850-01-01 to 1970-12-31

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Equatorial Atlantic Oceanographic Data Sets (SEQUAL/FOCAL)

Coverage Dates: 1980-01-01 to 1985-12-31

Source/Spacecraft

SHIP/BUOYS
OCEAN BASED (OCEAN PLATFORMS)

Sensor/Instrument

CTD (SALINITY/TEMP/DEPTH (CTD/STD))
CURRENT METERS
NANSEN BOTTLES (NANSEN MULTI-BOTTLE WATER SAMP.)
PRESSURE GAUGES
WINDS RECORDERS (ANEMOMETER)
XBT (BATHYTHERMOGRAPHS)

Data Centers

National Oceanographic Data Center (NODC), NOAA

Experiment on Rapidly Intensifying Cyclones Over the Atlantic (ERICA) Field Study, on CD-ROM

Coverage Dates: 1988-12-01 to 1989-02-26

Source/Spacecraft

AIRCRAFT
GOES-6
GROUND STATIONS
RADIOSONDE STATIONS
SHIP/BUOYS

Data Centers

GALE, ERICA Data Center, Drexel University (GDCEDC)
NASA Climate Data System (NCDS)

FNOC Gridded Atmospheric and Oceanic Data Available from NCDC

Coverage Dates: 1974-06-01 to Present

Data Centers

National Climatic Data Center (NCDC), NOAA

GARP Atlantic Tropical Experiment (GATE)

Coverage Dates: 1974-06-17 to 1974-09-23

Source/Spacecraft

AIRCRAFT

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

SMS

Data Centers

National Climatic Data Center (NCDC), NOAA

GEOSAT Altimeter Sea Surface Height and Satellite Height with Respect to the Reference Ellipsoid, Automatic Gain control and Wind Speed (Level 2.0)

Coverage Dates: 1986-11-08 to Present

Source/Spacecraft

GEOSAT

Sensor/Instrument

ALT (ALTIMETERS/RADAR ALTIMETERS)

Data Centers

National Climatic Data Center (NCDC), NOAA

NASA Ocean Data System (NODS)

GEOSAT Geophysical Data Records for the Exact Repeat Mission

Coverage Dates: 1986-11-08 to Present

Source/Spacecraft

GEOSAT

Sensor/Instrument

ALT (ALTIMETERS/RADAR ALTIMETERS)

Data Centers

National Oceanographic Data Center (NODC), NOAA

GEOSAT Wind/Wave Data from the Geodetic Mission

Coverage Dates: 1985-03-31 to 1986-09-30

Source/Spacecraft

GEOSAT

Sensor/Instrument

ALT (ALTIMETERS/RADAR ALTIMETERS)

Data Centers

National Oceanographic Data Center (NODC), NOAA

GEOS-3 Altimeter Geophysical Data Record

Coverage Dates: 1975-04-14 TO 1978-12-01

Source/Spacecraft

GEOS-3

Sensor/Instrument

ALT (ALTIMETERS/RADAR ALTIMETERS)

Data Centers

NASA Ocean Data System (NODS)

Gridded Atmospheric and Oceanic Data

Coverage Dates: 1974-06-01 to Present

Source/Spacecraft

GROUND STATIONS
RADIOSONDE STATIONS
SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Hawaii-Tahiti Norpax

Coverage Dates: 1973-01-01 to 1980-12-31

Source/Spacecraft

GROUND STATIONS
SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Hellerman Wind Stress Data Set

Coverage Dates: 1870-01-01 to 1976-12-31

Source/Spacecraft

SHIP/BUOYS

Data Centers

NASA Climate Data System (NCDS), NOAA

Initial Wind Wave Sea Height Chart

Coverage Dates: 1979-01-01 to Present

Data Centers

National Climatic Data Center (NCDC), NOAA

NMC Global 2.5 Degree Grid Analyses

Coverage Dates: 1976-07-01 to 1987-12-31

Data Centers

National Center for Atmospheric Research (NCAR)

JPL-UCLA-AES Deallased Gridded Surface Wind Vector Data from the SEASAT Scatterometer

Coverage Dates: 1978-09-06 to 1978-09-20

Source/Spacecraft

SEASAT

Sensor/Instrument

SASS (SEASAT-A SCATTEROMETER SYSTEM)

Data Centers

NASA Ocean Data System (NODS)

Land/Ocean Parameters from NIMBUS-7 SMMR (PARM-LO, MAP-LO, and PARMAP)

Coverage Dates: 1978-10-30 to 1988-06-01

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

National Climate Data System (NCDS)

National Space Science Data Center (NSSDC), NASA

Liquid Water and Antenna Temperatures

Coverage Dates: 1987-07-01 to 1988-12-31

Source/Spacecraft

DMSP-F8

Sensor/Instrument

SSM/I (SPECIAL SENSOR MICROWAVE/IMAGER)

Data Centers

National Oceanographic Data Center (NODC), NOAA

Mapped Ocean and Land Parameters (MATRIX-LO) from NIMBUS-7 SMMR - Includes Wind Speed, SST, H2O

Coverage Dates: 1978-10-30 to 1982-10-31

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

National Space Science Data Center (NSSDC), NASA

Mapped Sea Surface Parameters (MAP-SS & PARM-SS) from NIMBUS-7 SMMR - Includes SST, Winds, Snow, Ice

Coverage Dates: 1978-10-30 to 1985-10-25

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

National Space Science Data Center (NSSDC), NASA

National Climatic Data Center (NCDC), NOAA

NASA Ocean Data System (NODS)

Marine Coastal Weather Log

Coverage Dates: 1948-07-01 to Present

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Max Planck Institution Heat Fluxes

Coverage Dates: 1950-01-01 to 1979-12-31

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

NASA Climate Data System (NCDS), NOAA

Miscellaneous Publications

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Monthly Average Tropical Winds from 80 Years of COADS

Coverage Dates: 1900-01-01 to 1979-12-31

Source/Spacecraft

SHIPS/BUOYS

Data Centers

University of Hawaii (UH)

Monthly Tropical Indian Ocean Gridded Pseudo-stress Analyses

Coverage Dates: 1977-01-01 to 1989-12-31

Source/Spacecraft

SHIP/BUOYS

Sensor/Instrument

ANEMOMETER

Data Centers

Meoscale Air-Sea Interaction Group, Florida State University (MASIG)

NASA Climate Data System (NCDS)

NCAR Trenberth Wind Stress Climatology

Coverage Dates: 1980-01-01 to 1986-12-31

Data Centers

NASA Climate Data System (NCDS)

NMC Grid Point, Wind Data

Coverage Dates: 1963-01-01 to Present

Source/Spacecraft

AIRCRAFT

GROUND STATIONS

SHIP/BUOYS

Data Center

National Center for Atmospheric Research (NCAR)

NASA Climate Data System (NCDS)

NOAA Data Buoy Center (NDBC) Observations

Coverage Dates: 1972-10-01 to Present

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

North American/Northern Hemisphere Surface Charts

Coverage Dates: 1942-03-01 to Present

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

North American Observational Data for July-December 1987 on CD-ROM

Coverage Dates: 1948-01-01 to 1987-12-31

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

University of Washington, Seattle (UWA)

Northern Hemisphere Extratropical Cyclone Movements

Coverage Dates: 1965-05-01 to 1974-12-31

Data Centers

National Climatic Data Center (NCDC), NOAA

Ocean Current Measurements from Current Meter Data (Resultants) (F005)

Coverage Dates: 1973-08-23 to Present

Source/Spacecraft

OCEAN BASED

Sensor/Instrument

CURRENT METERS

Data Centers

National Oceanographic Data Center (NODC), NOAA

Pilot Chart Global Sums, Stars, Marsden Squares

Coverage Dates: 1850-01-01 to 1970-12-31

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

SAR Reference Data Set Catalogue - North Atlantic Seasat SAR Images Analyzed for Ocean Surface Characteristics, from EODC

Coverage Dates: 1978-08-04 to 1978-09-30

Source/Spacecraft

SEASAT

Sensor/Instrument

SAR (IMAGING RADAR SYSTEMS)

Data Centers

Earth Observation Data Centre (EODC), RAE

SEASAT Altimeter Sea Surface Height, Satellite Height with respect to the Reference Ellipsoid, Wind Speed, Wave Height, and Automatic Gain Control (Level 2.5)

Coverage Dates: 1978-07-07 to 1978-10-10

Source/Spacecraft

SEASAT

Sensor/Instrument

ALT (ALTIMETERS/RADAR ALTIMETERS)

Data Centers

NASA Ocean Data System (NODS)

SEASAT Scanning Multichannel Microwave Radiometer (SMMR) Geophysical Data Record - Geophysical Files and Sensor Files

Coverage Dates: 1978-07-07 to 1978-10-09

Source/Spacecraft

SEASAT

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

Satellite Data Services Division (SDSD), NOAA

SEASAT Scanning Multichannel Microwave Radiometer (SMMR) Original Sensor and Geophysical Data Records: Sea Surface Temperature, Integrated Water Vapor, Atmos L.

Coverage Dates: 1978-07-07 to 1978-10-10

Source/Spacecraft

SEASAT

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Centers

NASA Ocean Data System (NODS)

SEASAT Scatterometer (SASS) Geophysical Data Record - Geophysical File

Coverage Dates: 1978-07-07 to 1978-10-09

Source/Spacecraft

SEASAT

Sensor/Instrument

SASS (SEASAT-A SCATTEROMETER SYSTEM)

Data Centers

Satellite Data Services Division (SDSD), NOAA

SEASAT Scatterometer (SASS) Geophysical Data Record - Basic Geophysical Record

Coverage Dates: 1978-07-07 to 1978-10-09

Source/Spacecraft

SEASAT

Sensor/Instrument

SASS (SEASAT-A SCATTEROMETER SYSTEM)

Data Centers

Satellite Data Services Division (SDSD), NOAA

SEASAT Scatterometer Sensor and Geophysical Data Records

Coverage Dates: 1978-07-07 to 1978-10-10

Source/Spacecraft

SEASAT

Sensor/Instrument

SASS (SEASAT-A SCATTEROMETER SYSTEM)

Data Centers

NASA Ocean Data System (NODS)

SMMR Sea Ice Concentration

Coverage Dates: 1978-11-01 to 1987-08-31

Source/Spacecraft

NIMBUS-7

Sensor/Instrument

SMMR (SCAN MULTICHANNEL M/WAVE RAD.)

Data Center

NASA Climate Data System (NCDS)

Spectral Ocean Wave Model (SOWM), Hindcast/Parameterized Data/Operational and the Global SOWM

Coverage Dates: 1956-01-01 to Present

Source/Spacecraft

SHIP BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Summary of Synoptic Meteorological Observations for Great Lake Areas

Coverage Dates: 1960-01-01 to 1973-12-31

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Surface Marine Observations, Marine Atlas Data, Marine Climatological Summaries, Coastal Marine Area Summary, Marine Climate Atlas

Coverage Dates: 1800-01-01 to Present

Source/Spacecraft

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

The Alpine Experiment (ALPEX)

Coverage Dates: 1981-09-01 to 1982-04-30

Source/Spacecraft

AIRCRAFT

DROPWINDSONDES

Data Centers

National Climatic Data Center (NCDC), NOAA

The Genesis of Atlantic Lows Experiment (GALE), on CD-ROM

Coverage Dates: 1986-01-15 to 1986-03-15

Source/Spacecraft

AIRCRAFT

GROUND STATIONS

NOAA-9

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

GALE, ERICA Data Center, Drexel University (GDCEDC)

NASA Climate Data System (NCDS)

University of Washington, Seattle (UWA)

Time Series Meteorology and Wave Spectra (F191) Data from NOAA Buoys

Coverage Dates: 1970-02-26 to Present

Source/Spacecraft

SHIP/BUOYS

OCEAN BASED (OCEAN PLATFORMS)

Data Centers

National Oceanographic Data Center (NODC), NOAA

Time Series Coastal Ocean Wave and Current Data Collected for the Atlantic Remote Sensing Land/Ocean Experiment (ARSLOE, F181)

Coverage Dates: 1980-10-06 to 1980-11-30

Source/Spacecraft

SHIP/BUOYS

Sensor/Instrument

CURRENT METER (CURRENT METER)

PRESSURE GAUGE (PRESSURE GAUGES)

Data Centers

National Oceanographic Data Center (NODC), NOAA

Tropical Cyclone Storm Tracks/World Wide Consolidated, Hurricane Tropical Storm Bulletin, Mariners Weather Log, and Tropospheric Circulation

Coverage Dates: 1871-01-01 to Present

Source/Spacecraft

AIRCRAFT

GROUND STATIONS

SHIP/BUOYS

Sensor/Instrument

RADAR

Data Centers

National Climatic Data Center (NCDC), NOAA

Tropical Strip Surface Charts

Coverage Dates: 1969-03-01 to Present

Source/Spacecraft

GROUND STATIONS

SHIP/BUOYS

Data Centers

National Climatic Data Center (NCDC), NOAA

Wentz, Atlas, Freilich Surface Wind Vector Data from the SEASAT Scatterometer

Coverage Dates: 1978-07-07 to 1978-10-10

Source/Spacecraft

SEASAT

Sensor/Instrument

SASS (SEASAT-A SCATTEROMETER SYSTEM)

Data Centers

NASA Ocean Data System (NODS)

**Wentz SEASAT Scatterometer Forward and Aft Sigma-Naught Surface Wind Vectors
Collected Into 50km Cells**

Coverage Dates: 1978-07-07 to 1978-10-10

Source/Spacecraft

SEASAT

Sensor/Instrument

SASS (SEASAT-A SCATTEROMETER SYSTEM)

Data Centers

NASA Ocean Data System (NODS)

**Wentz/SSM/I Geophysical Tapes: Wind Speed, Water Vapor, Cloud/rain Liquid Water
and Antenna Temperature**

Coverage Dates: 1987-07-01 to 1988-12-31

Source/Spacecraft

DMSP-F8

Sensor/Instrument

SSM/I (SPECIAL SENSOR MICROWAVE/IMAGER)

Data Centers

NASA Ocean Data System (NODS)

World WeatherDisc, Climate Data for the Planet Earth

Coverage Dates: 1700-01-01 to Present

Source/Spacecraft

GROUND STATIONS

RADIOSONDE STATIONS

SHIP/BUOYS

Data Centers

WeatherDisc Associates, Inc. (WDAI)

Zlontnicki/Fu Condensed GEOSAT Altimeter Geophysical Parameters

Coverage Dates: 1986-11-08 to 1989-09-26

Source/Spacecraft

GEOSAT

Sensor/Instrument

ALT (ALTIMETERS/RADAR ALTIMETERS)

Data Centers

National Oceanographic Data Center (NODC), NOAA

APPENDIX

Appendix A
Data Center Information

Army Engineers Topographic Laboratories (AETL)

Paul Krause
US Department of the Army
Ft. Belvoir, VA 22060
USA
703-355-2827

Carbon Dioxide Information Analysis Center (CDIAC), DOE

Environmental Sciences Division
P.O. Box 2008, Building 100
MS-6335
Oak Ridge, TN 37831
USA
615-574-0390
FTS 624-0390

Earthnet Programme Offices (EPO), ESA

ESA-ESRIN User Services
Via G. Galilei
I-00044
Frascati
ITALY
39-6941801
Telex 610637

Earth Observation Data Center (EODC), RAE

Graham Davison
Q134 Building
Royal Airforce Establishment
Farnborough, Hampshire GU14 6TD
UNITED KINGDOM

Earth Science Data Directory (ESDD), USGS

C.R. Baskin
804 National Center
Reston, VA 22092
USA
703-648-7133
FTS 959-7133

Goddard Institute for Space Studies (GISS)

Systems Programming Group
NASA/GISS Code 640
New York, NY 10025
USA
212-678-5501, 5539
FTS 664-5501, 5539
Internet>GISS@NASA.GISS.NASA.GOV
Bitnet>GISS@NASAGISS

Goddard Space Flight Center (GSFC), NASA

Alan Hedin
Code 614
Greenbelt, MD 20771
301-286-8393
NSI DECnet>PACF::HEDIN

Jet Propulsion Laboratory (JPL)

Susan Paradise
Atmospheric Data Analysis Facility
Building 183, Room 319
4800 Oak Grove Drive
Pasadena, CA 91101
USA

NASA Climate Data System (NCDS)

Coordinated Request Office
Goddard Space Flight Data Center
Greenbelt, MD 20771
USA
301-286-4136
NSI DECnet>NSSDCA::REQUEST

NASA Ocean Data System (NODS)

Ruby Lassanyi
MS 300-320
Jet Propulsion Laboratory
4800 Oak Grove Drive
Pasadena, CA 91101
USA
818-354-090006
NSI DECnet>STAN::DATASPEC

National Center for Atmospheric Research (NCAR)

Data Support Section

P.O. Box 3000

Boulder, CO 80307

USA

303-497-1215

FAX 303-497-1137

Telex 989764

National Climatic Data Center (NCDC), NOAA

Federal Building

Asheville, NC 28801

USA

704-259-0682

FTS 672-0682

National Environmental Satellite Data and Information Services (NESDIS)

NOAA/NESDIS E/OC21

Room 406

Washington, D.C. 20235

USA

202-673-5549

National Geophysical Data Center (NGDC), NOAA

325 Broadway

Boulder, CO 80303

USA

Solid Earth Geophysics: 303-497-6419

Marine Geology and Geophysics: 303-497-6345

Solar-Terrestrial Physics: 303-479-6346

National Oceanographic and Atmospheric Administration (NOAA)

Robert C. Cheney

N/CG112 Rockwell Building

11400 Rockville Pike

USA

TELEMAIL>[NGS.VLB1/omnet]MAIL

301-443-8556

National Oceanographic Data Center (NODC), NOAA

Janet Ward

NOAA/National Oceanographic Data Center

1825 Connecticut Avenue, NW

Washington, D.C. 20235

USA

202-673-5509

SPAN>NODC::WARD

National Snow and Ice Data Center (NSIDC)

Clair Hanson
CIRES, Campus Box 449
University of Colorado
Boulder, CO 80309
USA
303-492-1834
SPAN>KRYOS::HANSON
SPAN>KRYOS::NSIDC
Telemail>[NSIDC/OMNET]MAIL/USA

National Space Science Data Center (NSSDC), NASA

Coordinated Request Office
Goddard Space Flight Data Center
Greenbelt, MD 20771
USA
301-286-4136
NSI DECnet>NSSDCA::REQUEST

National Technical Information Service (NTIS)

Stan Weisman
NTIS
5282 Port Royal Road
Springfield, VA 22161
USA
703-487-4650

Pilot Land Data System (PLDS), NASA

PLDS User Support Office
NASA/GSFC Code 634
Greenbelt, MD 20771
USA
301-286-9761, 9282
FTS 888-9761, 9282

Satellite Data Services Division (SDSD), NOAA

NOAA/NESDIS/DAPO
FOB-4, Room 100
Washington, D.C. 20233
USA
301-763-4640
TELENET>[GSAXTON/NESDIS] Telemail

Scripps Satellite Facility

Robert Whritman
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La Jolla, CA 92093
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619-534-3785

University of Hawaii

Arnold M. Hori

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2525 Correa Road (HIG 331)

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USA

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University of Miami

Joanie Splain

RSMAS/MPO

4600 Rickenbacker Way

Miami, FL 33149

305-361-4770

SPAN>Miami::JOANIE

University of Rhode Island

George Milkowski

Graduate School of Oceanography

S. Ferry Road

Narrangansett, RI 02882

USA

401-792-6939

SPAN>URI::GEORGE

